



TEST REPORT nr. R11015101

Federal Communication Commission (FCC)

Test item

Description..... : SLATE RFID UHF DESKTOP READER
Trademark..... : CAEN RFID
Model/Type..... : R1260I

Test Specification

Standard..... : FCC Rules & Regulations, Title 47 (2010) - Part 15 paragraph(s) : 247(a), 247(b),
247(c), 209 and 207

Client's name..... : CAEN RFID

Address : Via Vetraia, 11 - 55049 Viareggio (LU) – ITALY

Manufacturer's name : Same ad client

Address :

Report

Tested by..... : A. Bertezolo - *Technician*

Approved by..... : R. Beghetto - *Laboratory Manager*

Date of issue..... : 25.03.11

Contents..... : 56 pages

This test report shall not be reproduced except in full without the written approval of CMC.
The test results presented in this report relate only to the item tested.



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1. Summary

Standard: FCC Rules & Regulations, Title 47

Test specifications	Environmental Phenomena	Tests sequence	Result
Part 15.247(a)	Bandwidth	1	Complies
Part 15.247(a)	Channel Separation	2	Complies
Part 15.247(a)	Time of Occupancy	3	Complies
Part 15.247(a)	Number of Hopping Frequency	4	Complies
Part 15.247(b)	Peak Output Power conducted	5	Complies
Part 15.247(c)	Band Edge	6	Complies
Part 15.247(c) Part 15.209	Radiated Spurious	7	Complies
Part 15.247(c) Part 15.209	Conducted Spurious	8	Complies
Part 15.207	Conducted Emission	9	Complies

The Test Report was given to the Client representatives for necessary documentation of ratification of the tested equipment and it is valid for the FCC and IC certification.



2. Description of Equipment under test (EUT)

Power supply : 5 Vdc from USB
Type of equipment..... : Transmitter Unit Receiver Unit
 Fixed station Portable station Mobile station
Receiver class : --
Alignment range..... : 902,75 – 927,25 MHz
Switching frequency : 902,75 – 927,25 MHz
Number of channels : --
Channel separation : --
Modulation : DSB-ASK 40kHz
Extreme conditions : --
Maximum transmitter output power : --
Information on antenna..... : Integrated
 Extern
 Other: _____
Duty cycle..... : --
Serial Number..... : 451000613

2.1 Test Site

Company : CMC Centro Misure Compatibilità S.r.l.
Address..... : Via dell'Elettronica, 12/C – 36016 Thiene (VI) – ITALY

3. Testing and sampling

Date of receipt of test item : 08.02.11
Testing start date : 18.03.11
Testing end date..... : 13.03.11
Samples tested nr. : 1
Sampling procedure..... : Equipment used for testing was picked up by the manufacturer, at the end of the production process with random criterion
Internal identification : adhesive label with the product number P110112

4. Operative conditions

--



5. Photograph(s) of EUT





6. Equipment list

<i>Id. number</i>	<i>Manufacturer</i>	<i>Model</i>	<i>Description</i>	<i>Serial number</i>	<i>Last calibration</i>	<i>Due date calibration</i>
CMC S001	Rohde & Schwarz	ESHS30	EMC interference receiver	862024/003	January '11	January '12
CMC S108	Emco	3115	Horn antenna	9811-5622	April '10	April '13
CMC S124	Spin	AMTP42-20	Horn Antenna 18-26GHz	103	May '10	May '13
CMC S127	SCHAFFNER	HLA6120	Loop Antenna	1191	January '10	January '13
CMC S129	Rohde & Schwarz	ESPI7	Receiver	836.914/004	January '11	January '12
CMC S136	Schwarzbeck	VULB 9163	Broadband Antenna	9136-205	May '10	May '13
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '11	January '12



7. Measurement uncertainty

Test	Expanded Uncertainty	note
Conducted Emission		
(50Ω/50μH AMN) - (9 kHz – 150 kHz)	±3.0 dB	1
(50Ω/50μH AMN) - (150 kHz – 30 MHz)	±2.6 dB	1
(Voltage probe) - (150 kHz – 30 MHz)	±3.1 dB	1
(50Ω/5μH AMN) - (150 kHz – 108 MHz)	±2.6 dB	1
Discontinuous Conducted Emission		
Conducted Emission (50Ω/50μH AMN) - (150 kHz – 30 MHz)	±2.9 dB	1
Disturbance Power (30 MHz – 300 MHz)		
	±3.1 dB	1
Radiated Emission		
(0,150 MHz – 30 MHz)	±4.3 dB	1
(30 MHz – 1000 MHz)	±4.6 dB	1
(1 GHz – 6 GHz)	±4.3 dB	1
Electromagnetic field EMF		
	±18.8 %	1
Harmonic current emissions test		
	±2.5 %	1
Voltage fluctuation and flicker test		
	±5.3 %	1
Insertion loss test		
	±2.2 dB	1
Radiated electromagnetic disturbance test (loop antenna)		
	±2.4 dB	1
Radiated electromagnetic field immunity test		
	0.8 V/m at 3V/m	1
Pulse modulated radiated electromagnetic field immunity test		
	0.8 V/m at 3V/m	1
Injected currents immunity test		
	0.6 V at 3V	1
Bulk current		
	8.4 mA at 60 mA	1
Power frequency magnetic field immunity test		
	0.4 A/m at 3 A/m	1
Electrostatic discharge immunity test		
		2
Electrical fast transients / burst immunity test		
		2
Surge immunity test		
		2
Short interruption immunity test		
		2
Voltage transient emission test		
	±4 %	1
Transient immunity test		
		2

Notes

Note 1:

The expanded uncertainty reported according to EN55016-4-2(2004-10) is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of $p = 95\%$

Note 2:

It has been demonstrated that the used test equipment meets the specified requirements in the standard with at least a 95% confidence, covering factor $k = 2$.



8. Reference documents

<i>Reference no.</i>	<i>Description</i>
FCC Rules and Regulation Title 47 part 15 (2010)	--
ANSI C63.4	American National Standard for Methods of Measuring of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz – 40GHz
Internal Procedure PM001 rev. 2.0 (Quality Manual)	Measure Procedure
Internal procedure INC_M rev. 8.0 (Quality Manual)	Measurement uncertainty calculation



9. Deviation from test specification

In agreement with the client, emission tests were performed with peak detector .
At the frequencies where the measures exceed the limit or within 6dB from it, the test was repeated with quasi-peak detector and/or average detector.

10. Test case verdicts

Test case does not apply to the test object : N / N.A.
Test item does meet the requirement : P / Pass / Complies
Test item does not meet the requirement : F / Fail / Does not comply
Test not performed : NE / Not Executed

11. Results

In this clause tests results are reported.
All measurements are done in accordance with the Filling and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems DA-705
Measurement uncertainty is in accordance with document CMC INC_M rev. 8.0.



11.1 Antenna Requirements

Test configuration and test method

Test site Laboratory
 Auxiliary equipment See clause 4 of this test report

Environmental conditions

Temperature 22 °C Atmospheric pressure 100 kPa Relative humidity 49 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.203 and 15.204
- Internal Procedure PM001
- See clause 4 of this test report

Test Requirements

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

The use of a permanently attached antenna or of an antenna that uses unique coupling to the intentional radiator shall be considered sufficient comply with the provisions of this section.

The manufacturer may design the unit so that a broken antenna can replaced by the user, but the use of standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Test specification

Port: Antenna.

EUT exercising

See clause 4 of this test report

Result

<i>Antenna Type</i>	<i>Gain</i>	<i>Remarks</i>	<i>Results</i>
Integrated	5 dBi	--	Complies

Remarks

//////////

Reference documents

See clause 8 of this test report

Result

The requirements are met



11.2 Bandwidth

Test configuration and test method

Test site Laboratory
 Auxiliary equipment See clause 4 of this test report

Environmental conditions

Temperature 20 °C Atmospheric pressure 99 kPa Relative humidity 48 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705, march 30, 2000
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Result

Frequency (MHz)	Graph(s)	Bandwidth	Remark
902,75	G11015111	87,6 kHz	--
914,75	G11015112	87,6 kHz	--
927,25	G11015113	89,4 kHz	--
Measurement uncertainty: ±1 kHz			

Remarks

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Reference documents

See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S129

Result

The requirements are met



11.3 Channel Separation

Test configuration and test method

Test site Laboratory
 Auxiliary equipment See clause 4 of this test report

Environmental conditions

Temperature 20 °C Atmospheric pressure 99 kPa Relative humidity 48 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705, march 30, 2000
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Acceptance limits

Limit: Minimum 25kHz or the 20dB Bandwidth of the hopping system

Result

Frequency (MHz)	Graph(s)	Channel Separation	Remark
902,75	G11015114	500 kHz	--
914,75	G11015115	500 kHz	--
927,25	G11015116	500 kHz	--
Measurement uncertainty: ±1kHz			

Remarks //////////////

Reference documents See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S129

Result The requirements are met



11.4 Average Time of Occupancy

Test configuration and test method

Test site Laboratory
 Auxiliary equipment See clause 4 of this test report

Environmental conditions

Temperature 21 °C Atmospheric pressure 99 kPa Relative humidity 49 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705, march 30, 2000
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Acceptance limits

0.4 s within 20 s period

Result

Frequency (MHz)	Graph(s)	Dwell time	Remark
902,75	G11015120	--	Nr. 6 transmissions in 20s
902,75	G11015117	29,0	--
914,75	G11015121	--	Nr. 6 transmissions in 20s
914,75	G11015118	29,0	--
927,25	G11015122	--	Nr. 6 transmissions in 20s
927,25	G11015119	29,0	--

Frequency (MHz)	Time of Occupancy	Remarks
902,75	6 x 29,0 = 174,0 ms	--
914,75	6 x 29,0 = 174,0 ms	--
927,25	6 x 29,0 = 174,0 ms	--

Remarks ////////////////

Reference documents See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S129

Result The requirements are met



11.5 Number of Hopping Channels

Test configuration and test method

Test site
 Auxiliary equipment

Laboratory
 See clause 4 of this test report

Environmental conditions

Temperature 22 °C Atmospheric pressure 99 kPa Relative humidity 46 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705, march 30, 2000
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Result

Port	Graph(s)	Number of Hopping Frequency	Remark
Enclosure	G11015110	50	--

Remarks

//////////

Reference documents

See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S129

Result

The requirements are met



11.6 Peak Output Power

Test configuration and test method

Test site

Laboratory

Auxiliary equipment

See clause 4 of this test report

Environmental conditions

Temperature 22 °C Atmospheric pressure 99 kPa Relative humidity 48 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705, march 30, 2000
- RSS-210 Annex 8
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Acceptance limits

Frequency range	RF power output
915 – 928 MHz	1,0 W / 30dBm

Result

Frequency (MHz)	Polarization	E (dB μ V/m)	Peak Output Power (mW)	Remark
927,25	Vertical	115,31	31,92	--
927,25	Horizontal	121,43	132,11	--
914,75	Horizontal	120,90	116,90	--
914,75	Vertical	116,30	40,01	--
902,75	Vertical	116,36	41,33	--
902,75	Horizontal	121,48	134,35	--

Measurement uncertainty: ± 3 dBm



Remarks

$$P = (E \times d)^2 / (30 \times G)$$

Where:

E = the measured maximum fundamental field strength in V/m

G = the numeric gain of the transmitting antenna: 3,162 (5dBi)

d = the distance in meters from which the field strength was measured (3m)

P = the power in watts

Reference documents

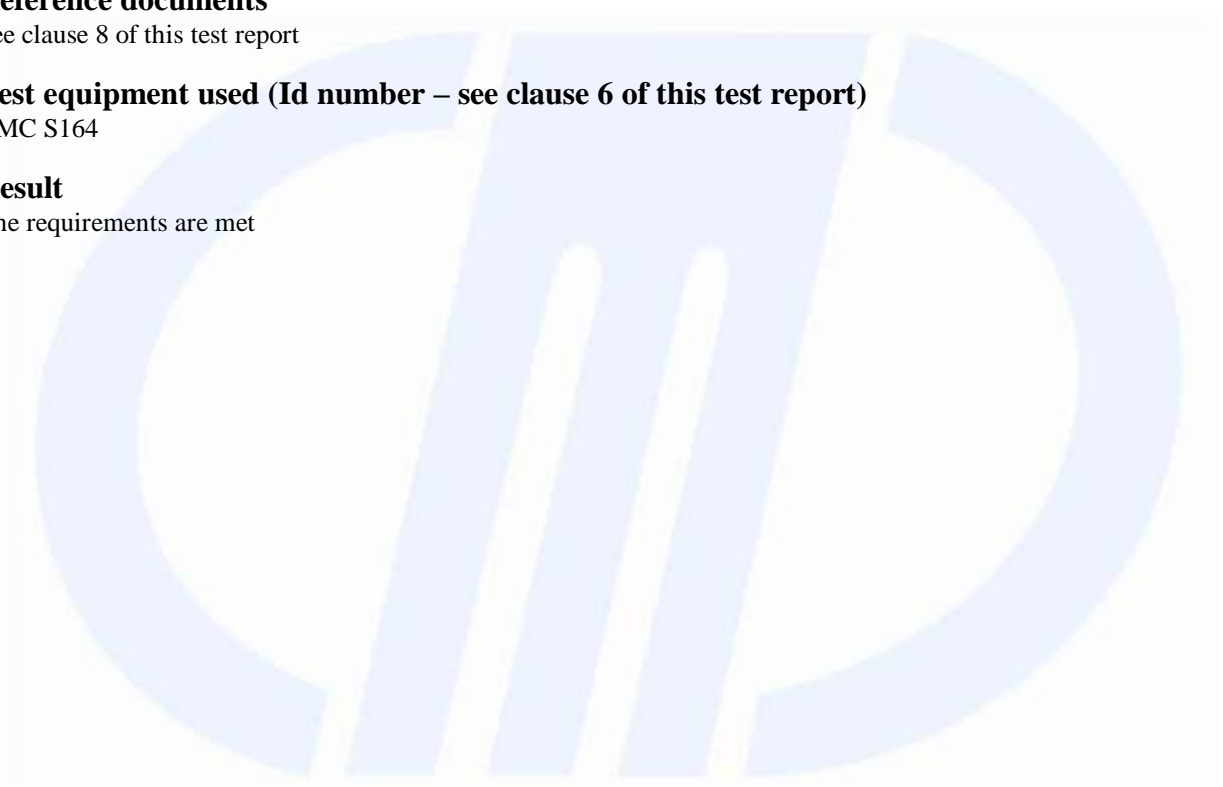
See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S164

Result

The requirements are met





11.7 Band Edge

Test configuration and test method

Test site Laboratory
 Auxiliary equipment See clause 4 of this test report

Environmental conditions

Temperature 20 °C Atmospheric pressure 99 kPa Relative humidity 46 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705, march 30, 2000
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Acceptance limits

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in section 15.209(a) is not required. In addition, radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (see section 15.205(c)).

Result

Frequency (MHz)	Graph(s)	Attenuation Band Edge	Remark
902,75	G11015123	> 20dBc	Hopping enable
927,25	G11015124	> 20dBc	Hopping enable
902,75	G11015125	> 20dBc	Hopping disable
927,25	G11015126	> 20dBc	Hopping disable

Measurement uncertainty: ±1dB

Remarks ////////////////

Reference documents

See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S129

Result The requirements are met



11.8 Radiated Spurious

Test configuration and test method

Test site Semi-anechoic chamber
 Auxiliary equipment None

Environmental conditions

Temperature 19 °C Atmospheric pressure 100 kPa Relative humidity 42 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247 and Part 15.209
- DA 00-705, march 30, 2000
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

For measurements below 1GHz the resolution bandwidth is set to 100kHz.

For measurements above 1GHz the resolution bandwidth is set to 1MHz.

EUT exercising

See clause 4 of this test report

Acceptance limits

In any 100kHz bandwidth outside the frequency band at least 20dB below the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in cl. 15.205(a), must also comply with the radiated emission limits specified in cl. 15.209(a) (see cl.15.205(c)).

Result

Channel	Polarization	Frequency Range (MHz)	Graph(s) (peak measurements)	Remarks	Result
902,75	Horizontal	30 – 1000	G11015127	--	Complies
902,75	Vertical	30 – 1000	G11015128	--	Complies
914,75	Vertical	30 – 1000	G11015129	--	Complies
914,75	Horizontal	30 – 1000	G11015130	--	Complies
927,25	Horizontal	30 – 1000	G11015131	--	Complies
927,25	Vertical	30 – 1000	G11015132	--	Complies
902,75	Horizontal	1000 – 10000	G11015101	--	Complies
902,75	Vertical	1000 – 10000	G11015102	--	Complies
914,75	Vertical	1000 – 10000	G11015103	--	Complies
914,75	Horizontal	1000 – 10000	G11015104	--	Complies
927,25	Horizontal	1000 – 10000	G11015105	--	Complies
927,25	Vertical	1000 – 10000	G11015106	--	Complies

Channel	Antenna	Frequency Range (MHz)	Graph(s)	Remarks	Result
902,75	Loop Antenna	9kHz – 30MHz	G11015107	--	Complies
914,75	Loop Antenna	9kHz – 30MHz	G11015108	--	Complies
927,25	Loop Antenna	9kHz – 30MHz	G11015109	--	Complies



Nr. Harmonics	AV level (dB μ V/m)						AV Limits (dB μ V/m)	Remark
	902,75 MHz		914,75MHz		927,25 MHz			
	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)		
II Harmonic	1805,503	45,3	1829,503	46,0	1844,550	41,7	54,00	--
III Harmonic	2708,254	More than 15dB below limit	2744,254	More than 15dB below limit	2781,750	More than 15dB below limit	54,00	--
IV Harmonic	3611,016	35,9	3659,006	35,2	3709,006	33,3	54,00	--
V Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
VI Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
VII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
VIII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
IX Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
X Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--

Measurement Uncertainty: ± 4 dB

Nr. Harmonics	PK level (dB μ V/m)						PK Limits (dB μ V/m)	Remark
	902,75 MHz		914,75MHz		927,25 MHz			
	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)		
II Harmonic	1805,503	52,2	1829,503	53,7	1844,550	50,0	74,00	--
III Harmonic	2708,254	More than 15dB below limit	2744,254	More than 15dB below limit	2781,750	More than 15dB below limit	74,00	--
IV Harmonic	3611,016	48,8	3659,006	48,1	3709,006	46,6	74,00	--
V Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
VI Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
VII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
VIII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
IX Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
X Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--

Measurement Uncertainty: ± 4 dB



Remarks

EUT was tested in 3 orthogonal planes. In results table are reported the worst case.

Reference documents

See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S108, CMC S136, CMC S164

Measurement uncertainty: See clause 7 of this test report

Result

The requirements are met





11.9 Emission of mains terminal disturbance voltage (continuous disturbance)

Test configuration and test method

Test site Laboratory
 Auxiliary equipment See clause 4 of this test report

Environmental conditions

Temperature 20 °C Atmospheric pressure 99 kPa Relative humidity 45 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.207
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: AC mains

EUT exercising

See clause 4 of this test report

Acceptance limits

Frequency range (MHz)	Limits	
	dB(μV) Quasi-peak	dB(μV) Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

Result

Line	Graphs	Remarks	Result
Line 0V (USB)	G11015133	--	Complies
Line 5V (USB)	G11015134	--	Complies

Graphs Legend

PK: Peak; QP [1s] (quasi-peak at 1 second) values are marked with a X
 AV: Average; AV [1s] (average at 1 second) values are marked with a +

Remarks

//////////

Reference documents

See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S001

Measurement uncertainty: See clause 7 of this test report

Result

The requirements are met



11.10 Maximum permissible Exposure

Test configuration and test method

Test site Laboratory
Auxiliary equipment See clause 4 of this test report

Environmental conditions

Temperature 21 °C Atmospheric pressure 100 kPa Relative humidity 45 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 1.1310
- DA 00-705, march 30, 2000
- Internal Procedure PM001
- See clause 4 of this test report

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Acceptance limits

$902/1500 \text{ mW/cm}^2 = 0,60 \text{ mW/cm}^2 \text{ max at 20cm of distance}$

Result

Power Density Limit (mW/cm^2)	Output Power (mW)	Antenna Gain (G)	Power Density at 20cm (mW/cm^2)	Remarks
0,60	134,35	3,162 (5dBi)	0,084	Measured
0,60	200	3,162 (5dBi)	0,126	Declared

Remarks

Power Density = $(P \times G) / (4\pi R^2)$

Reference documents

See clause 8 of this test report

Test equipment used (Id number – see clause 6 of this test report)

CMC S129

Measurement uncertainty: See clause 7 of this test report

Result

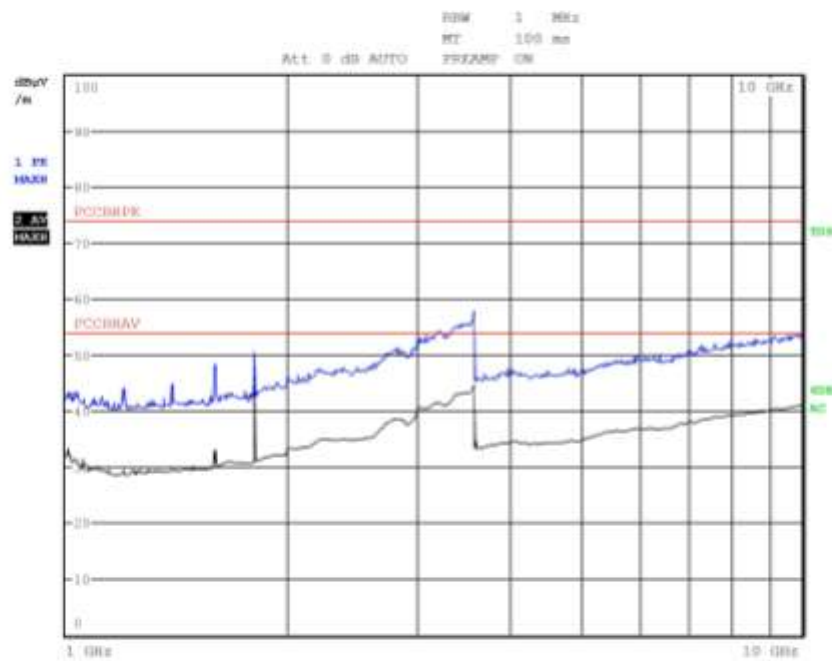
The requirements are met



12. Graphs and Tables

G11015101

Meas Type Emission 1-10GHz
Equipment under Test
Manufacturer
OP Condition TX 902.75MHz
Operator Bertezolo 11015101
Test Spec
Horiz



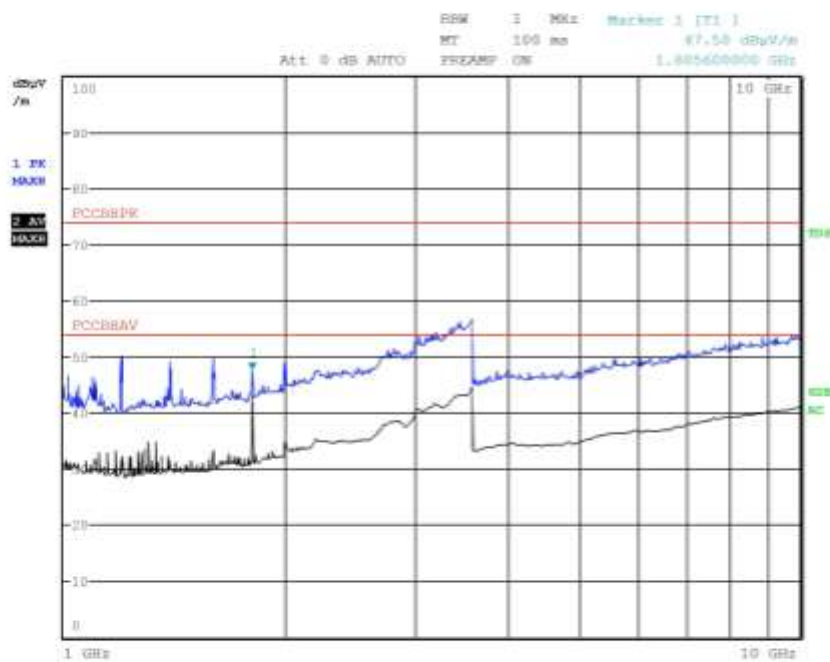
Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 0



G11015102

Meas Type Emission 1-10GHz
Equipment under Test
Manufacturer
OP Condition TX 902.75MHz
Operator Bertezolo 11015102
Test Spec
Vert



Final Measurement

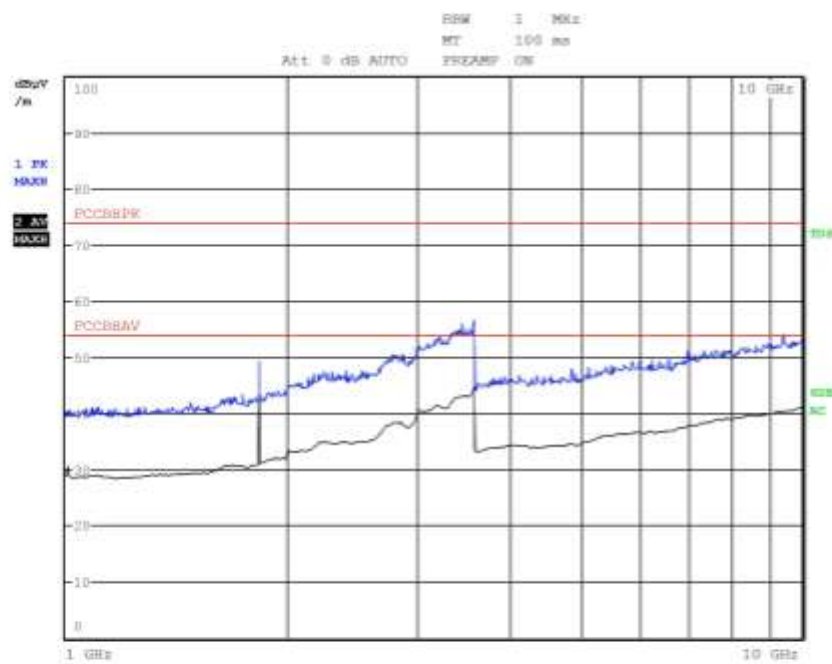
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G11015103

Meas Type Emission 1000-10000MHz
Equipment under Test
Manufacturer
OP Condition TX 914.75MHz
Operator Bertezolo 11015103
Test Spec
Vert



Final Measurement

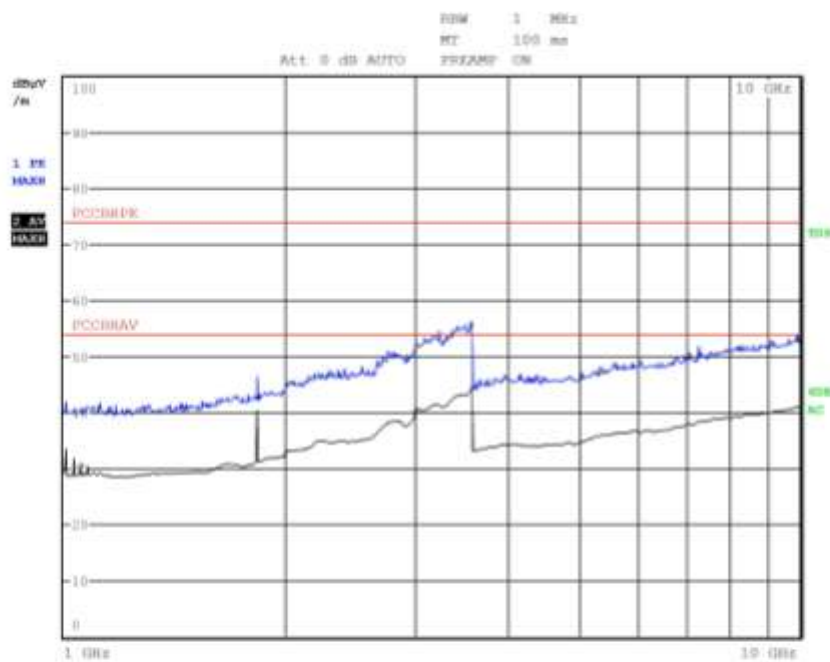
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G11015104

Meas Type Emission 1000-10000MHz
Equipment under Test
Manufacturer
OP Condition TX 914.75MHz
Operator Bertezolo 11015104
Test Spec
Horiz



Final Measurement

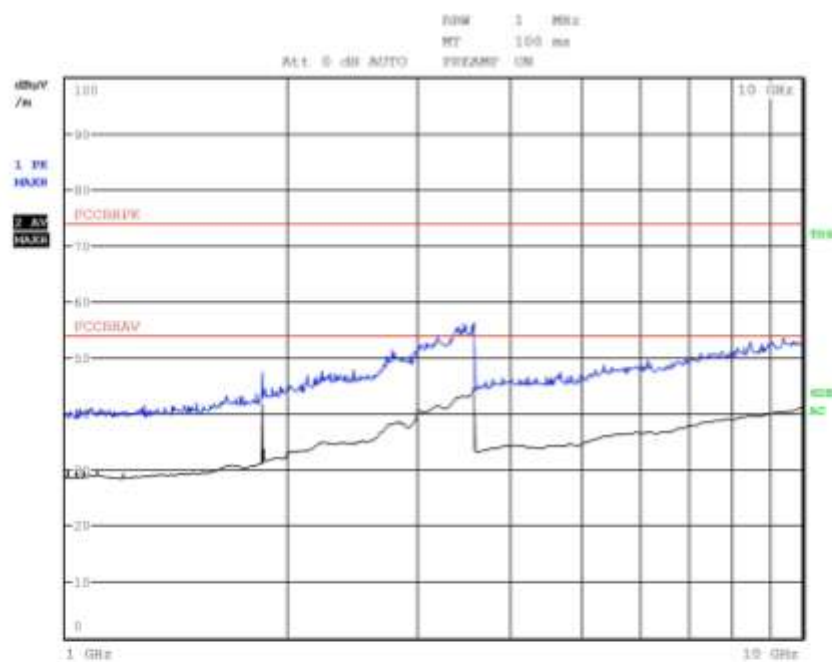
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G11015105

Meas Type Emission 1000-10000MHz
Equipment under Test
Manufacturer
OP Condition TX 927.25MHz
Operator Bertezolo 11015105
Test Spec
Horiz



Final Measurement

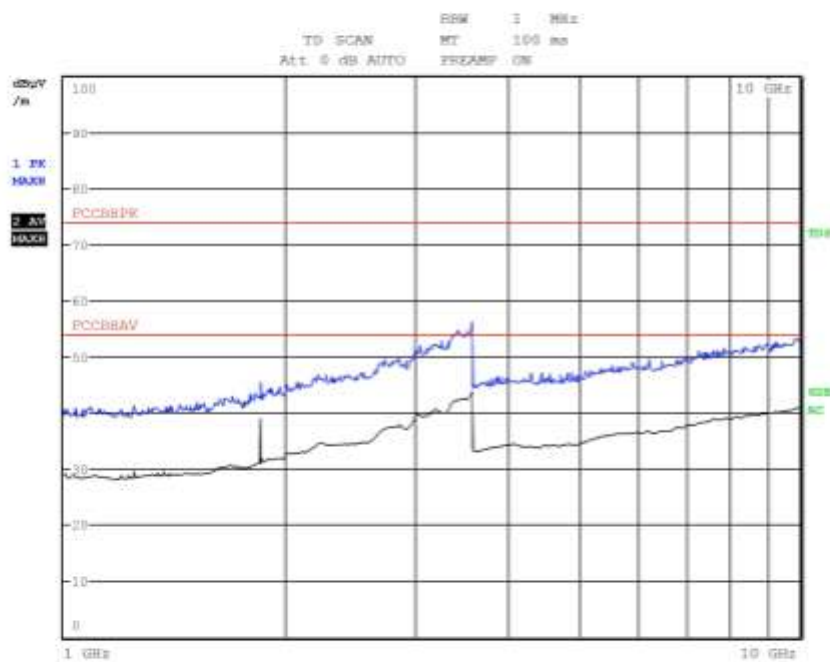
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G11015106

Meas Type Emission 1000-10000MHz
Equipment under Test
Manufacturer
OP Condition TX 927.25MHz
Operator Bertezolo 11015106
Test Spec
Vert



Final Measurement

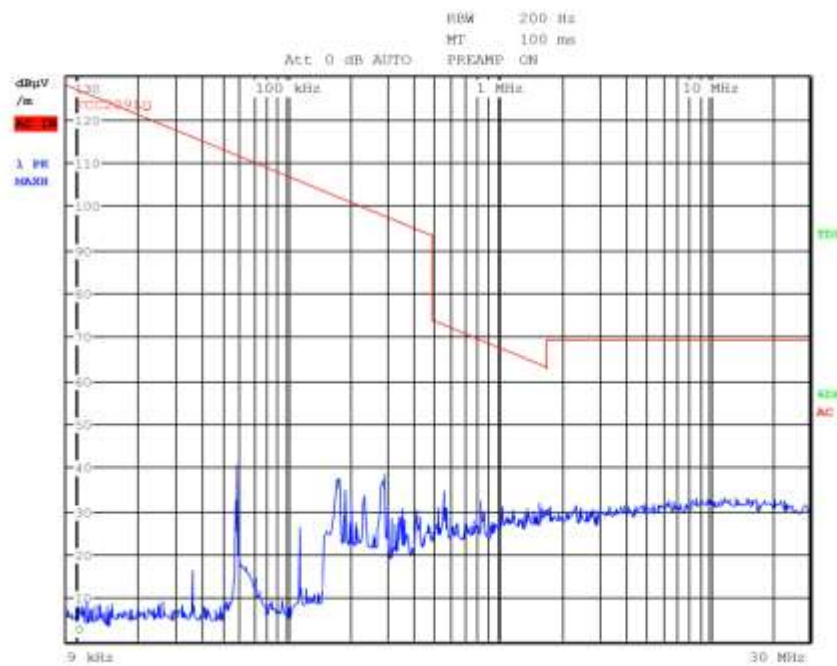
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G11015107

Meas Type Emission 0.009-30MHz
Equipment under Test
Manufacturer
OP Condition TX 902.75MHz
Operator Bertezolo 11015107
Test Spec
Loop

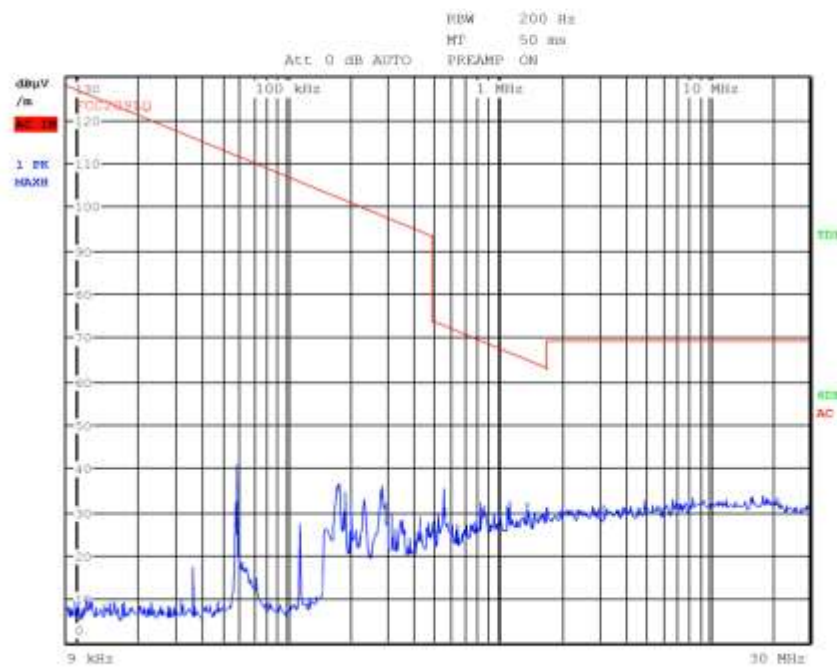


CMC Centro Misure Compatibilità S.r.l.



G11015108

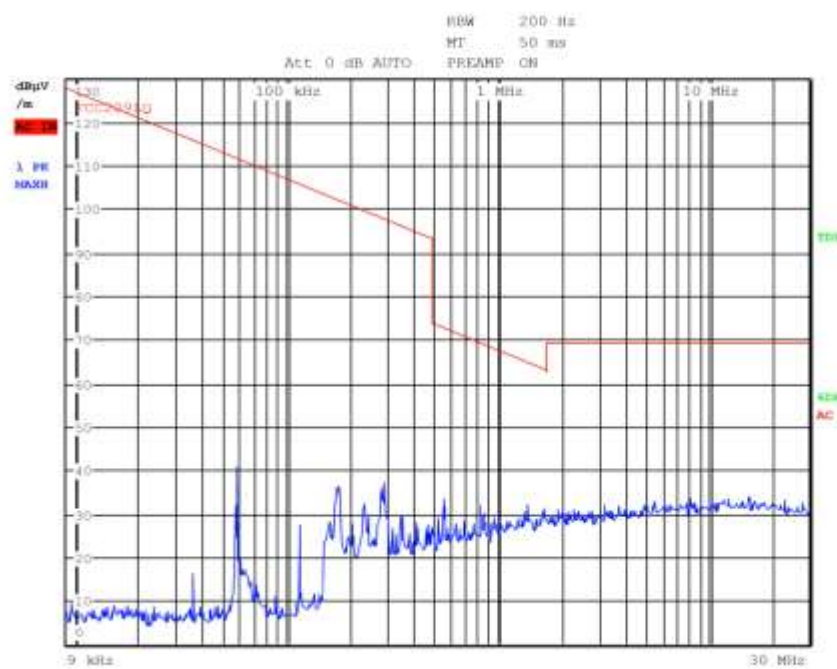
Meas Type Emission 0.009-30MHz
Equipment under Test
Manufacturer
OP Condition TX 914.75MHz
Operator Bertezolo 11015108
Test Spec
Loop





G11015109

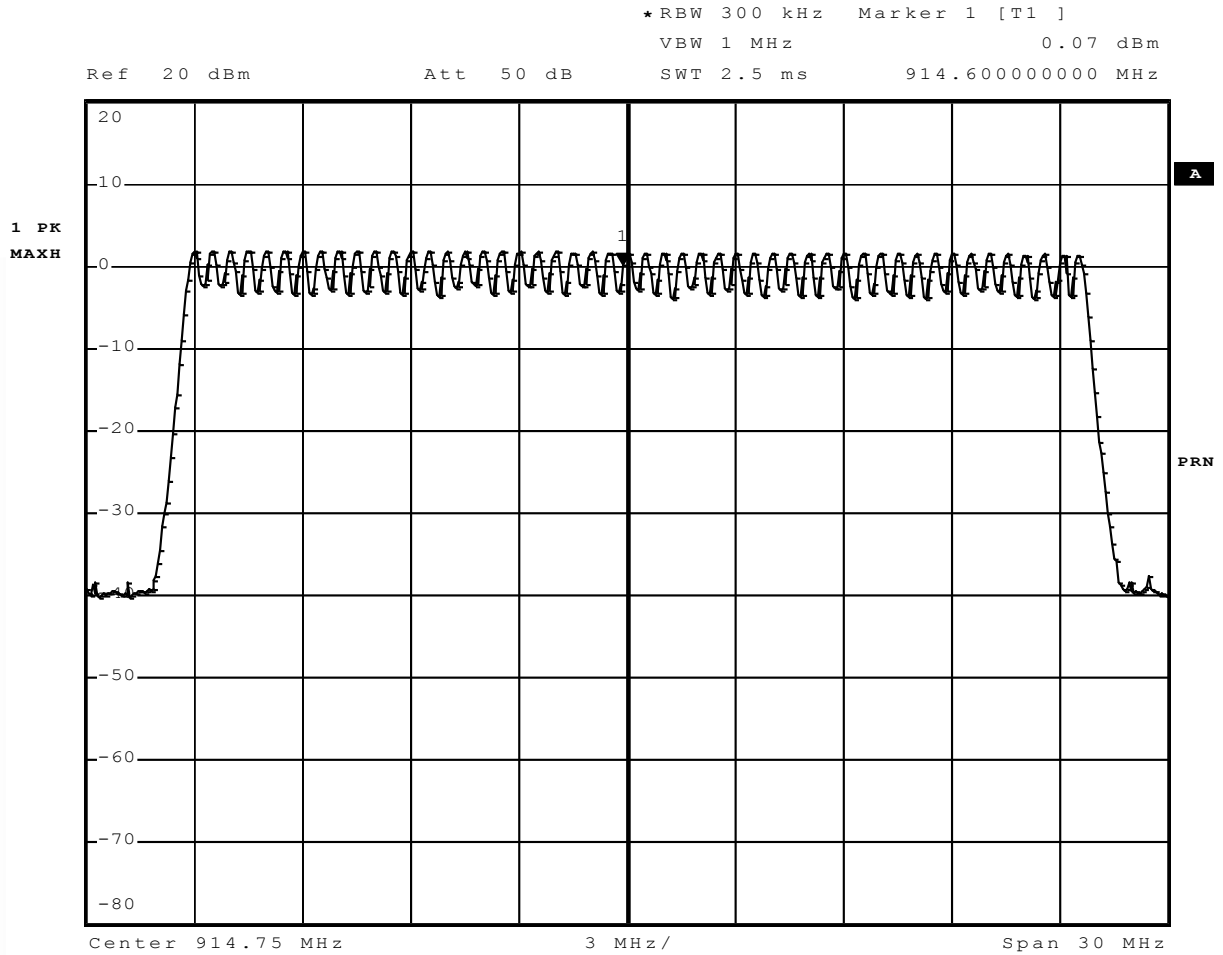
Meas Type Emission 0.009-30MHz
Equipment under Test
Manufacturer
OP Condition TX 927.25MHz
Operator Bertezolo 11015109
Test Spec
Loop



CMC Centro Misure Compatibilità S.r.l.



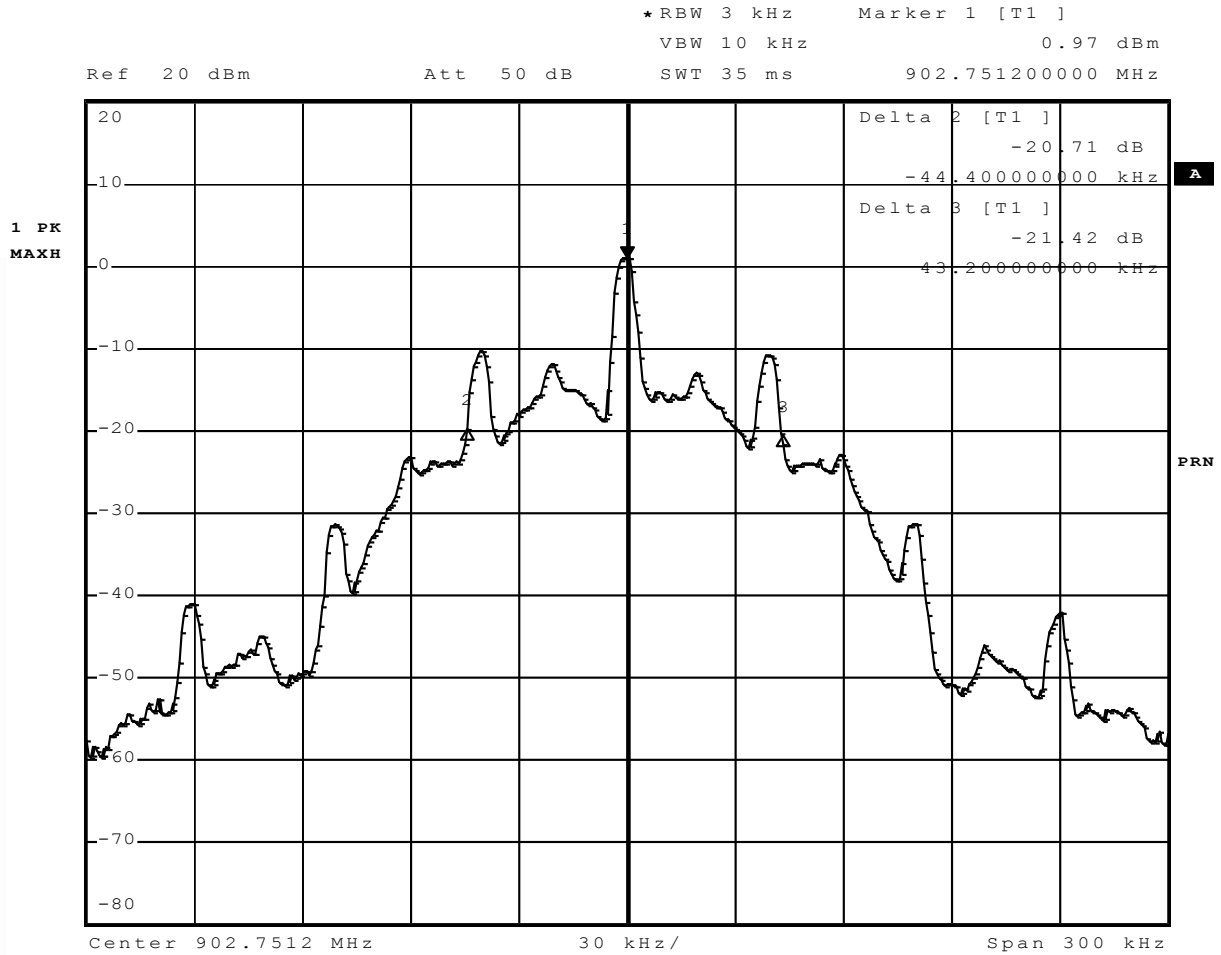
G11015110



CMC Centro Misure Compatibilità S.r.l.

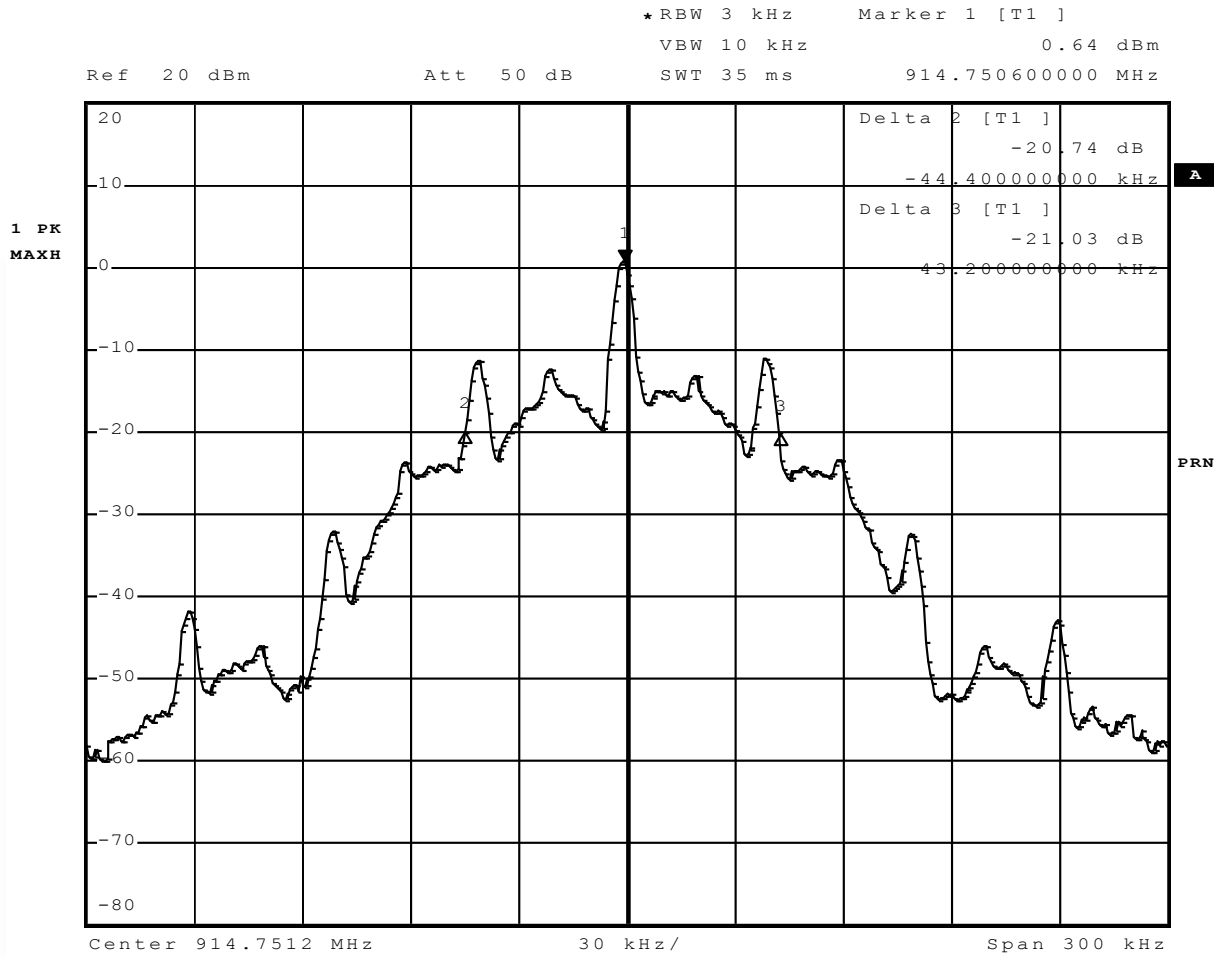


G11015111





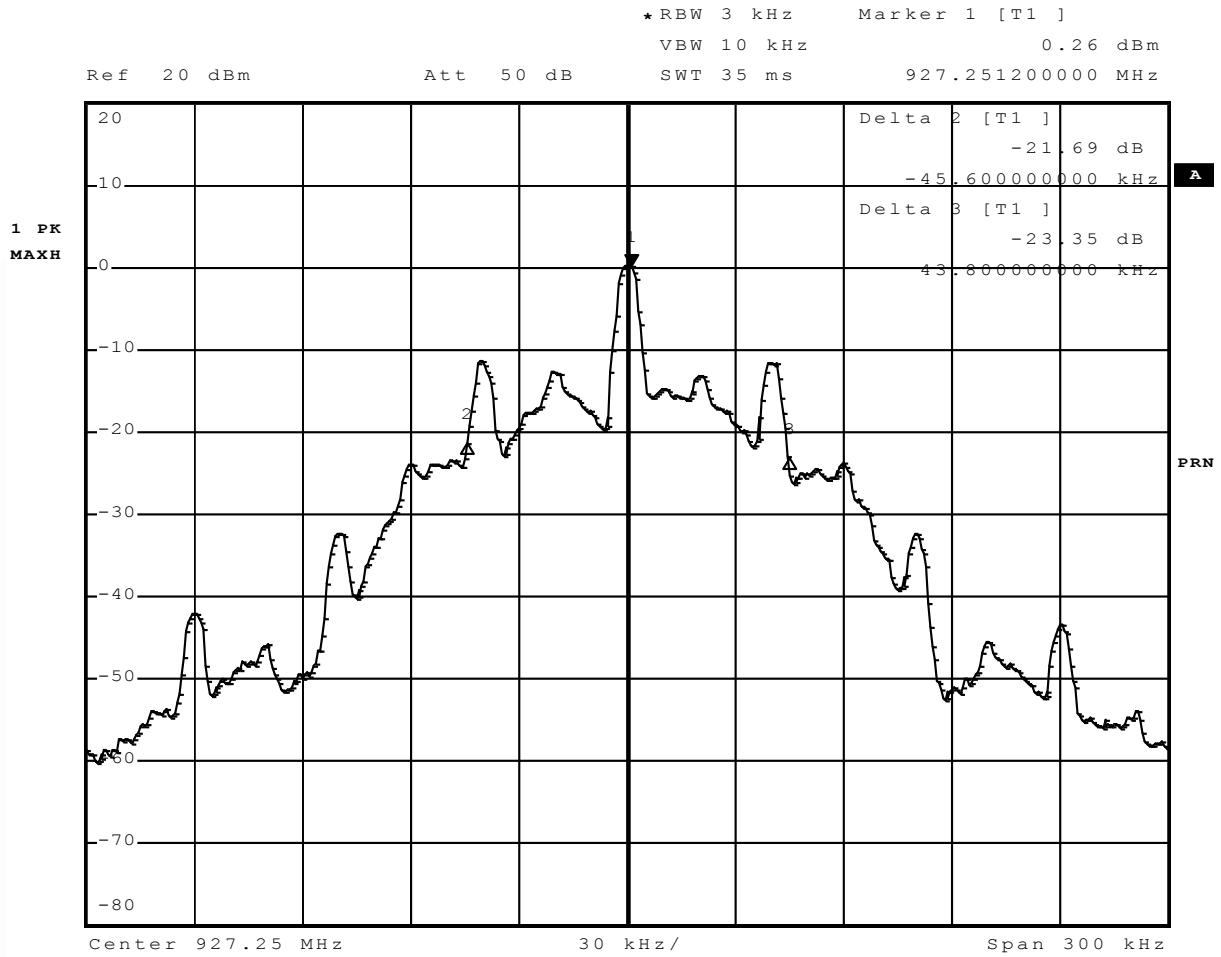
G11015112



CMC Centro Misure Compatibilità S.r.l.

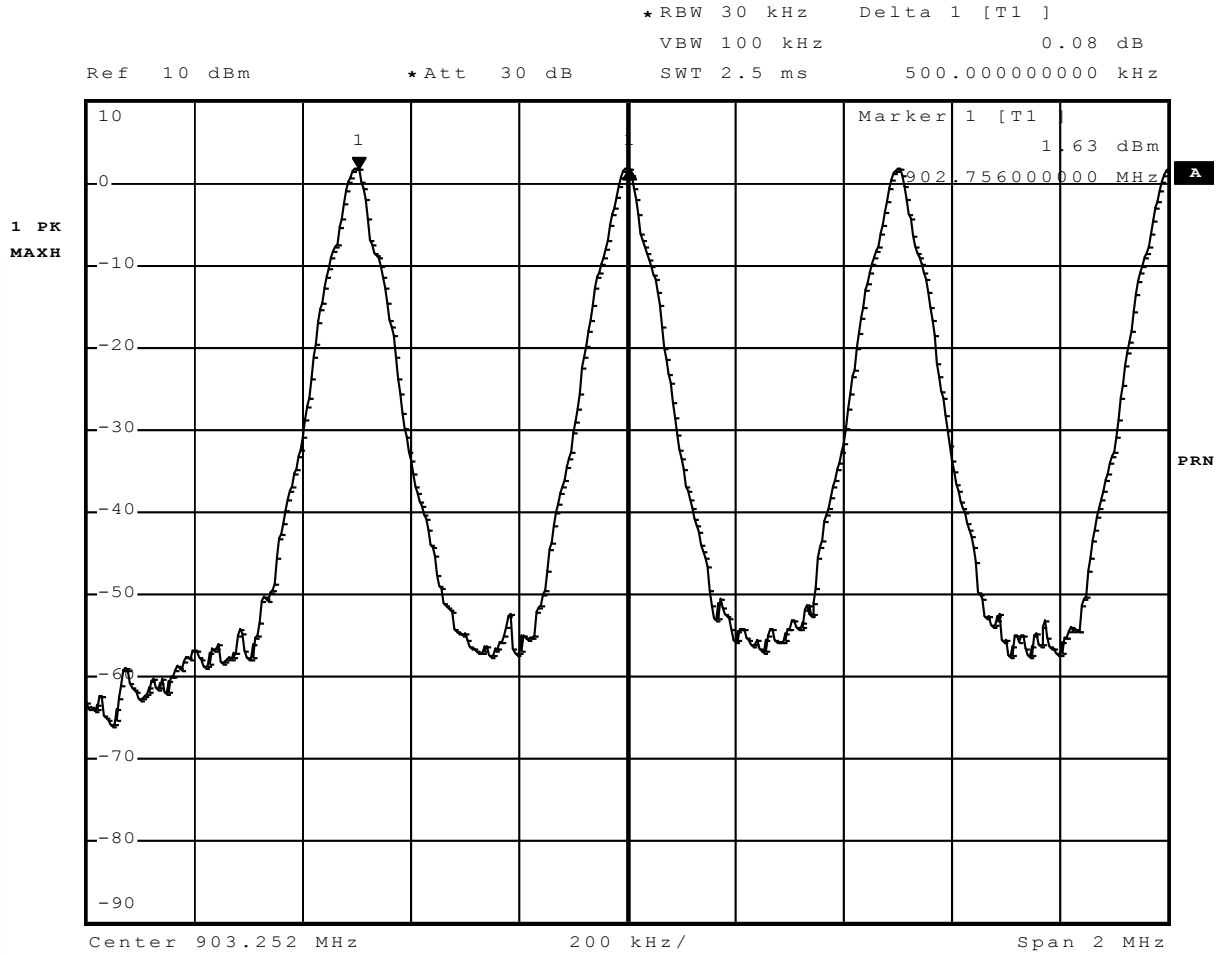


G11015113





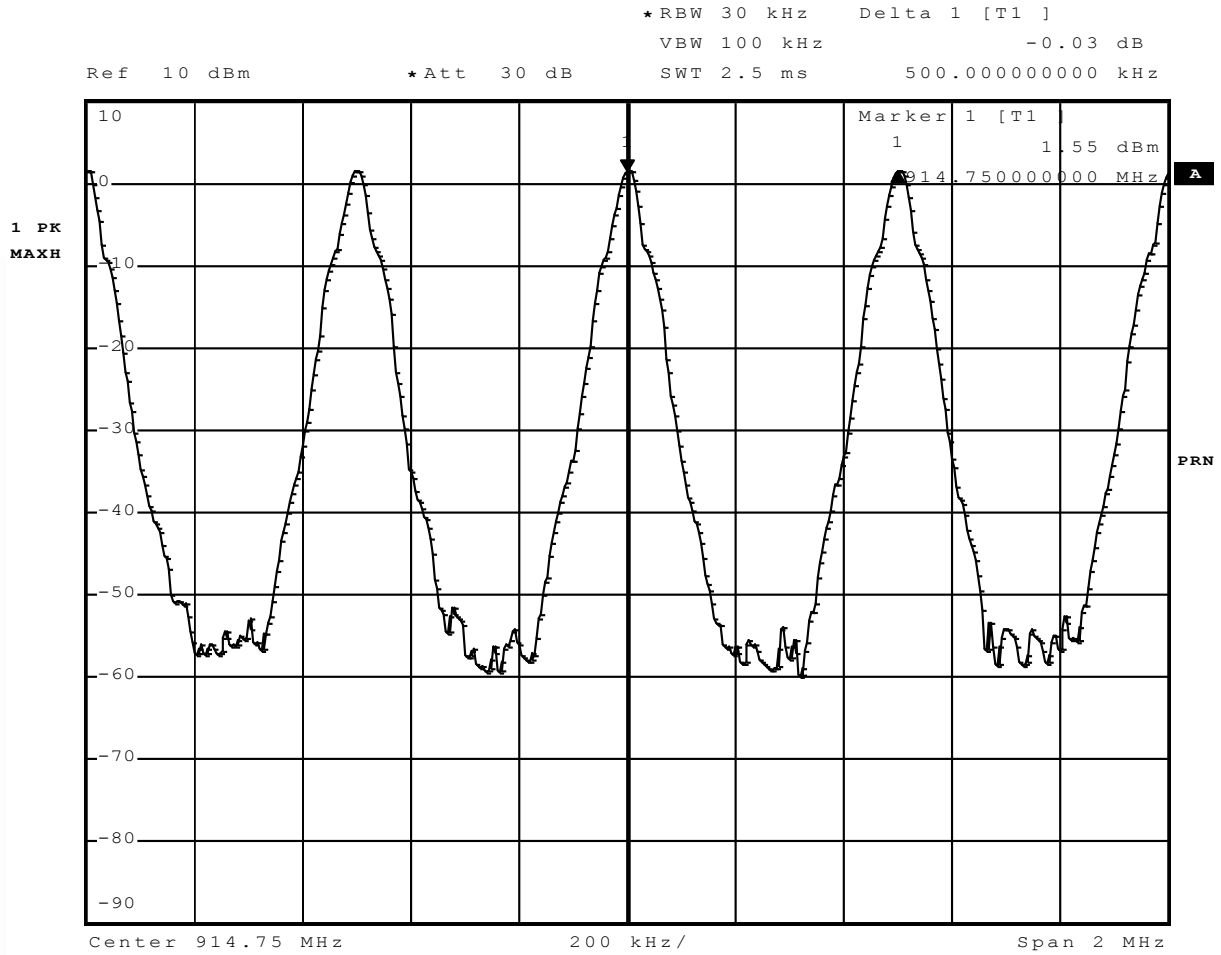
G11015114



CMC Centro Misure Compatibilità S.r.l.



G11015115

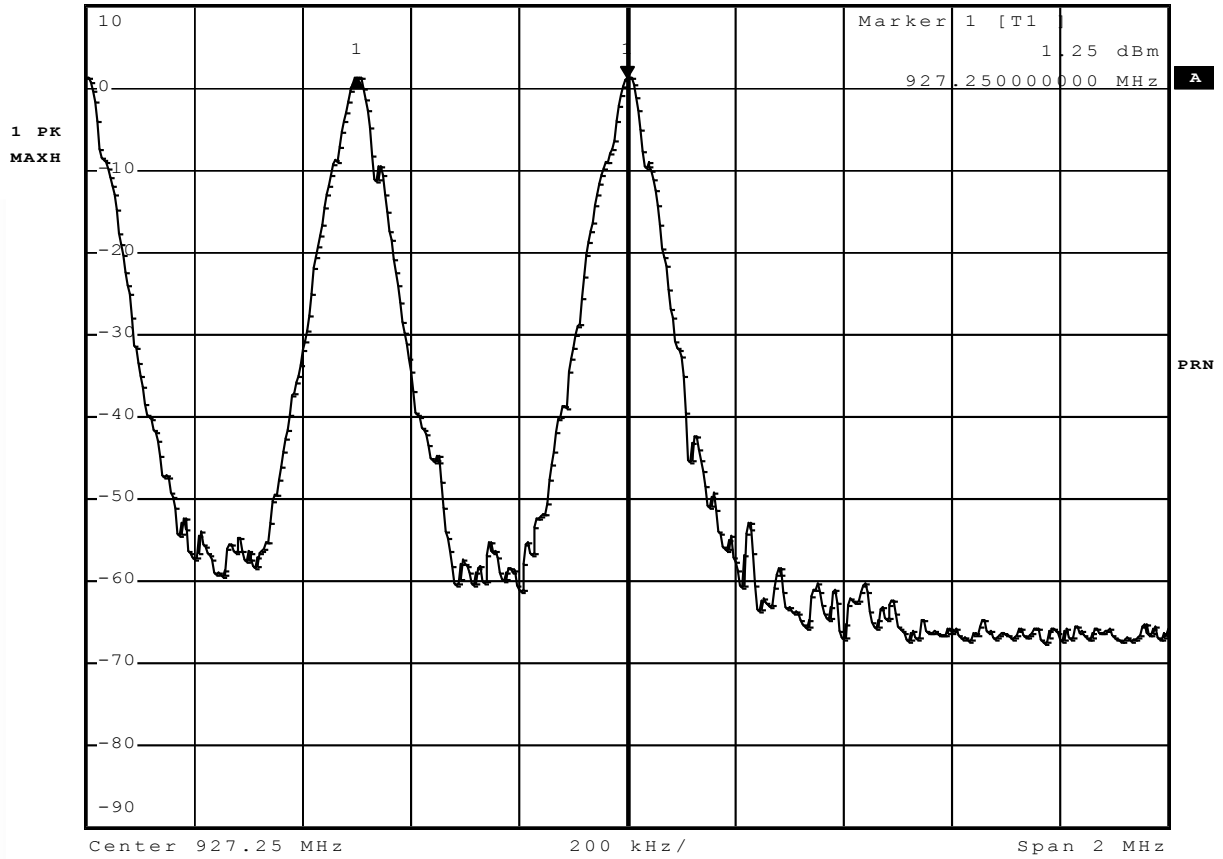


CMC Centro Misure Compatibilità S.r.l.



G11015116

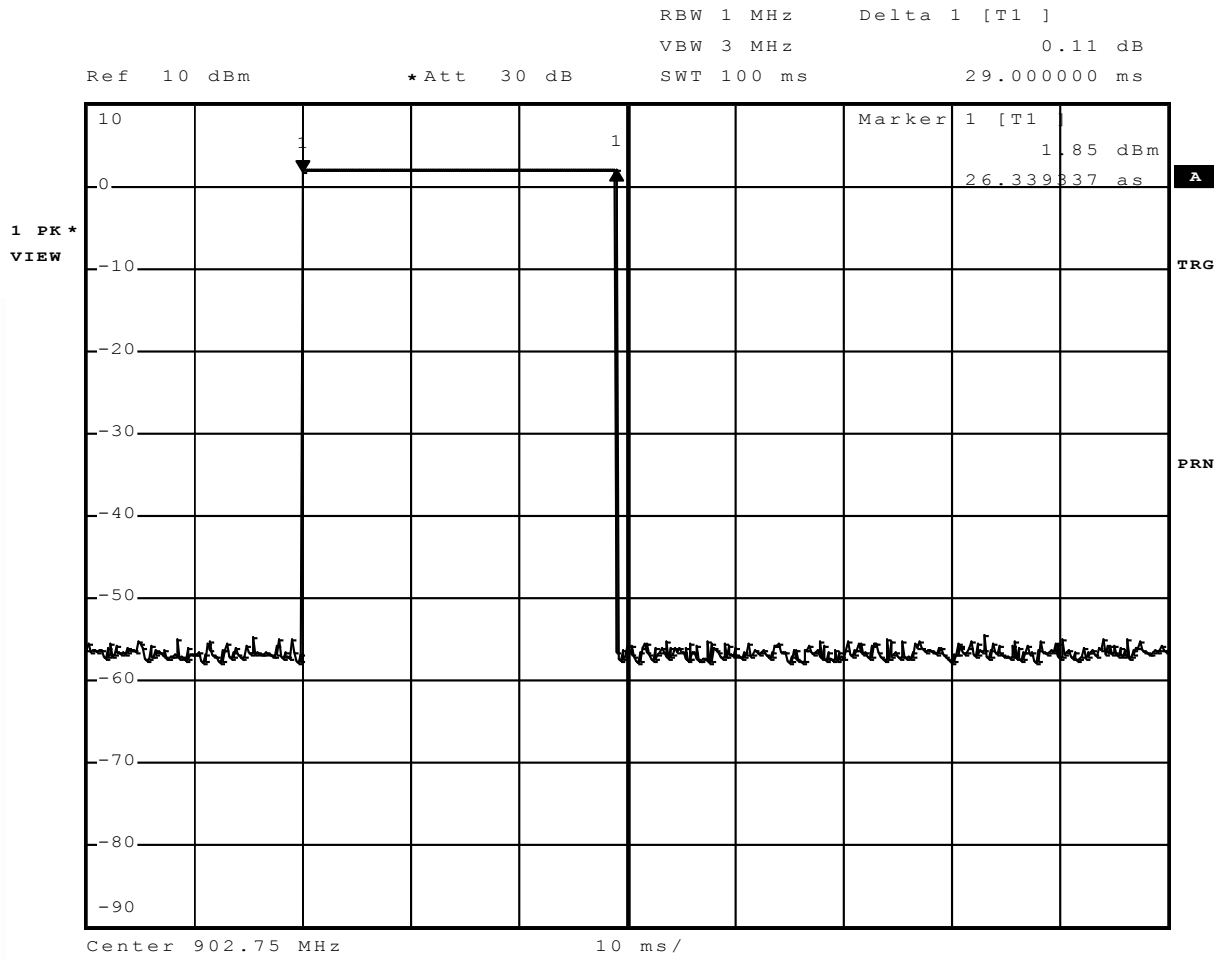
*RBW 30 kHz Delta 1 [T1]
VBW 100 kHz 0.07 dB
Ref 10 dBm *Att 30 dB SWT 2.5 ms -500.000000000 kHz



CMC Centro Misure Compatibilità S.r.l.



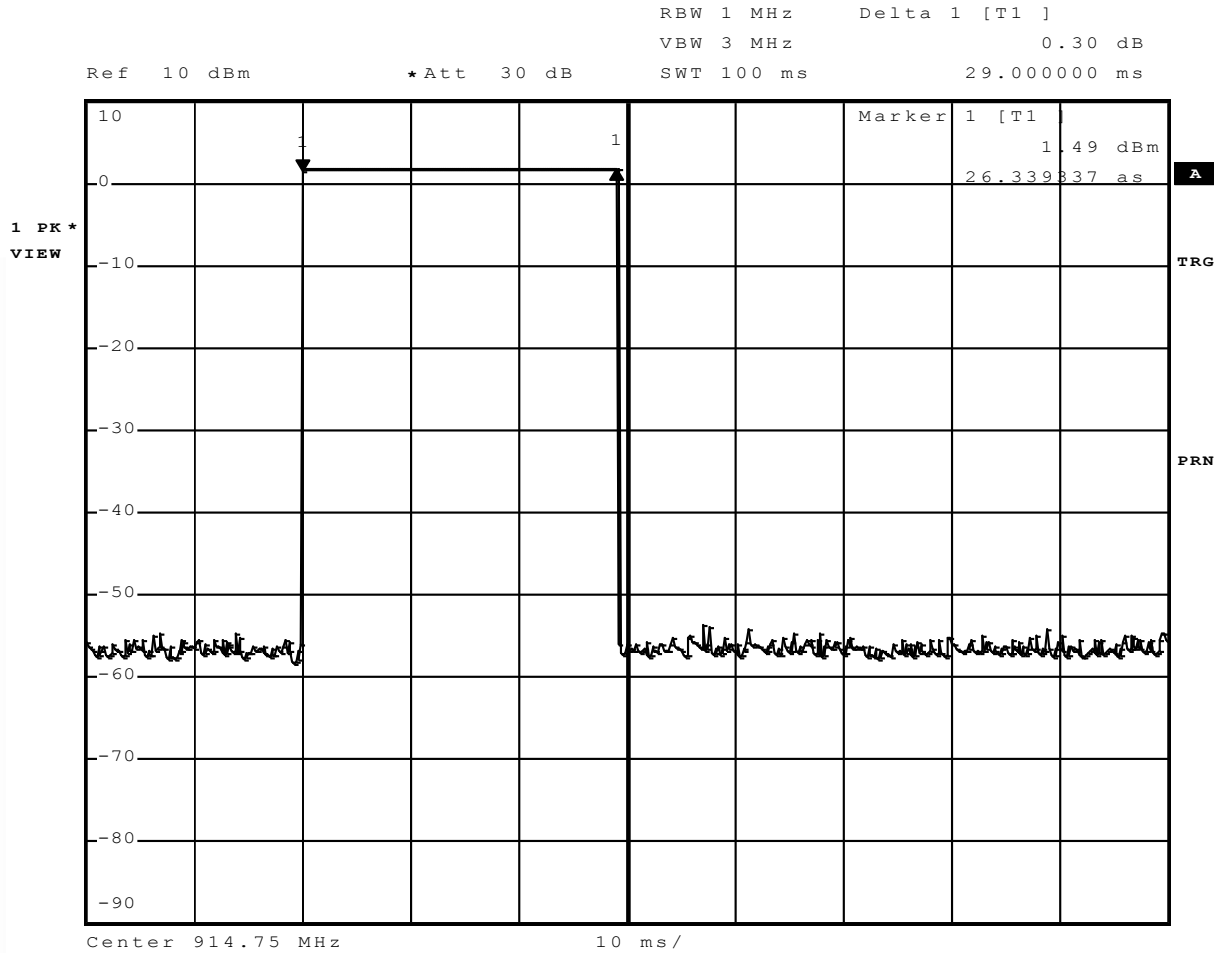
G11015117



CMC Centro Misure Compatibilità S.r.l.



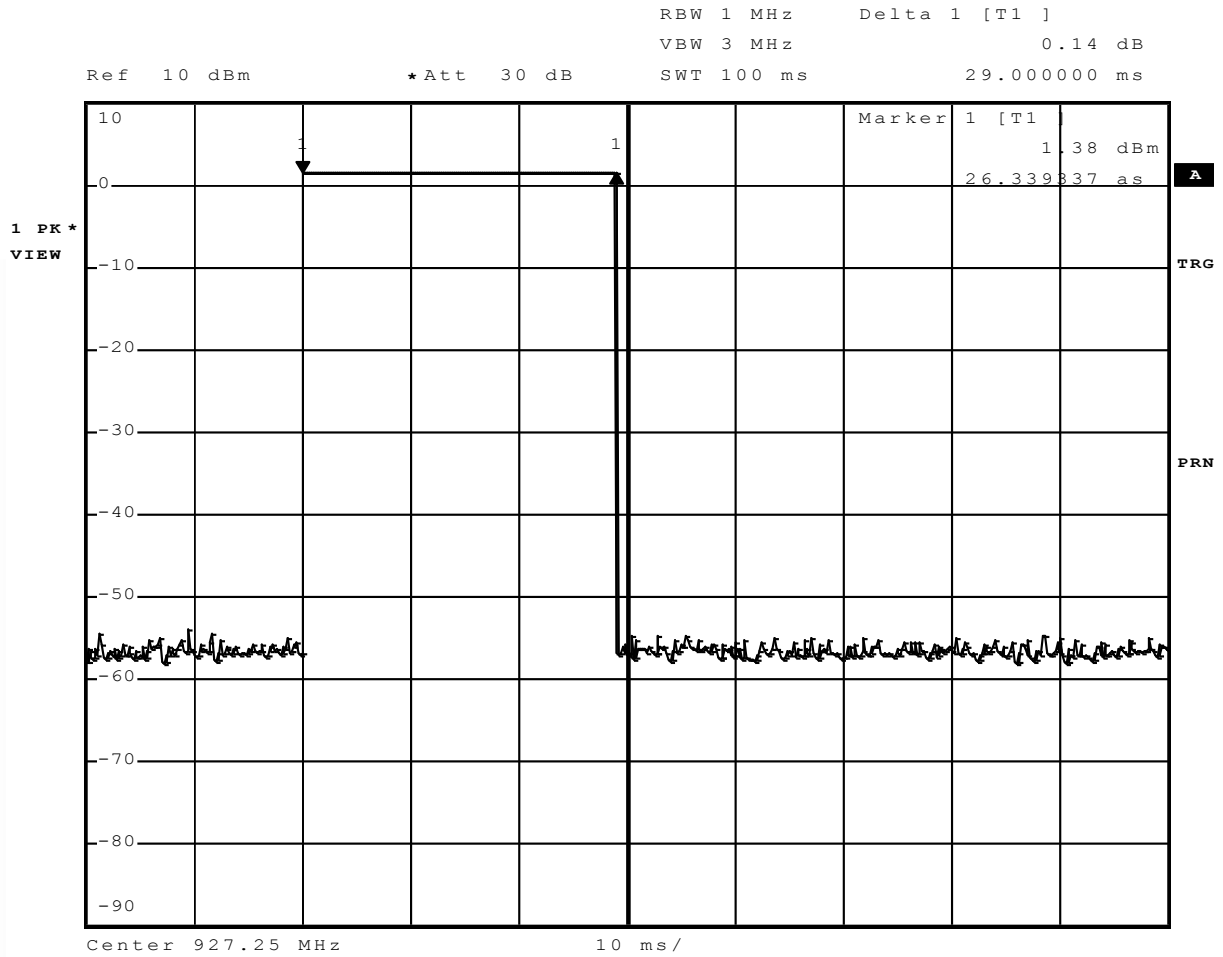
G11015118



CMC Centro Misure Compatibilità S.r.l.



G11015119



CMC Centro Misure Compatibilità S.r.l.



G11015120

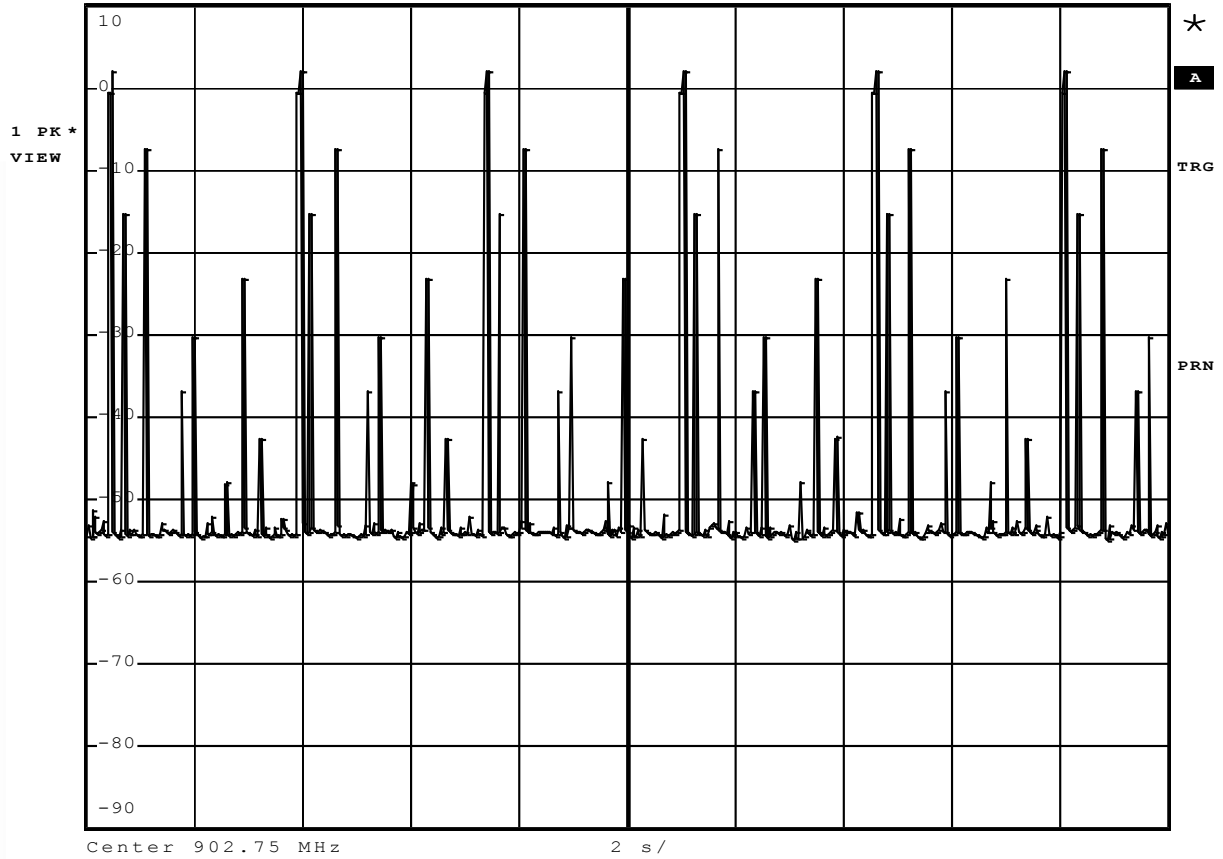
RBW 1 MHz

VBW 3 MHz

SWT 20 s

Ref 10 dBm

*Att 30 dB



CMC Centro Misure Compatibilità S.r.l.



G11015121

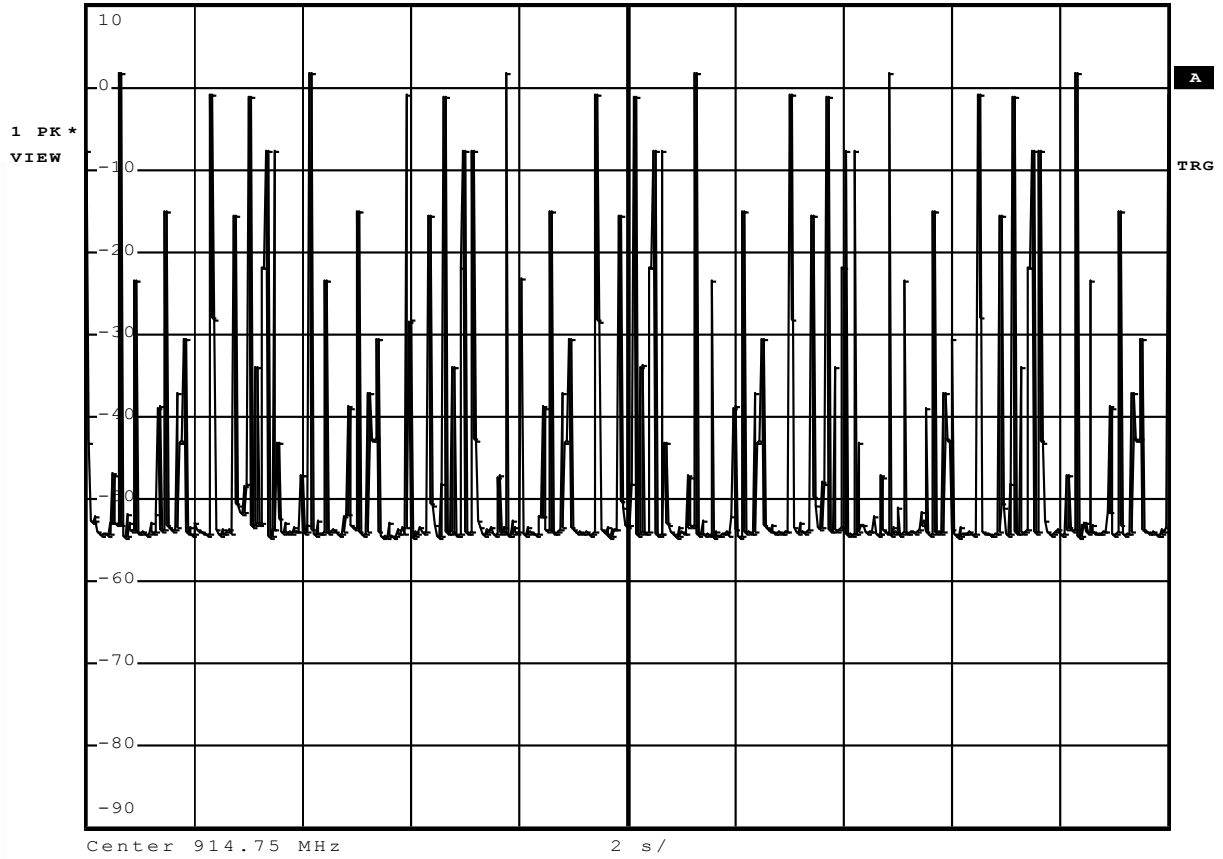
RBW 1 MHz

VBW 3 MHz

SWT 20 s

Ref 10 dBm

*Att 30 dB



CMC Centro Misure Compatibilità S.r.l.



G11015122

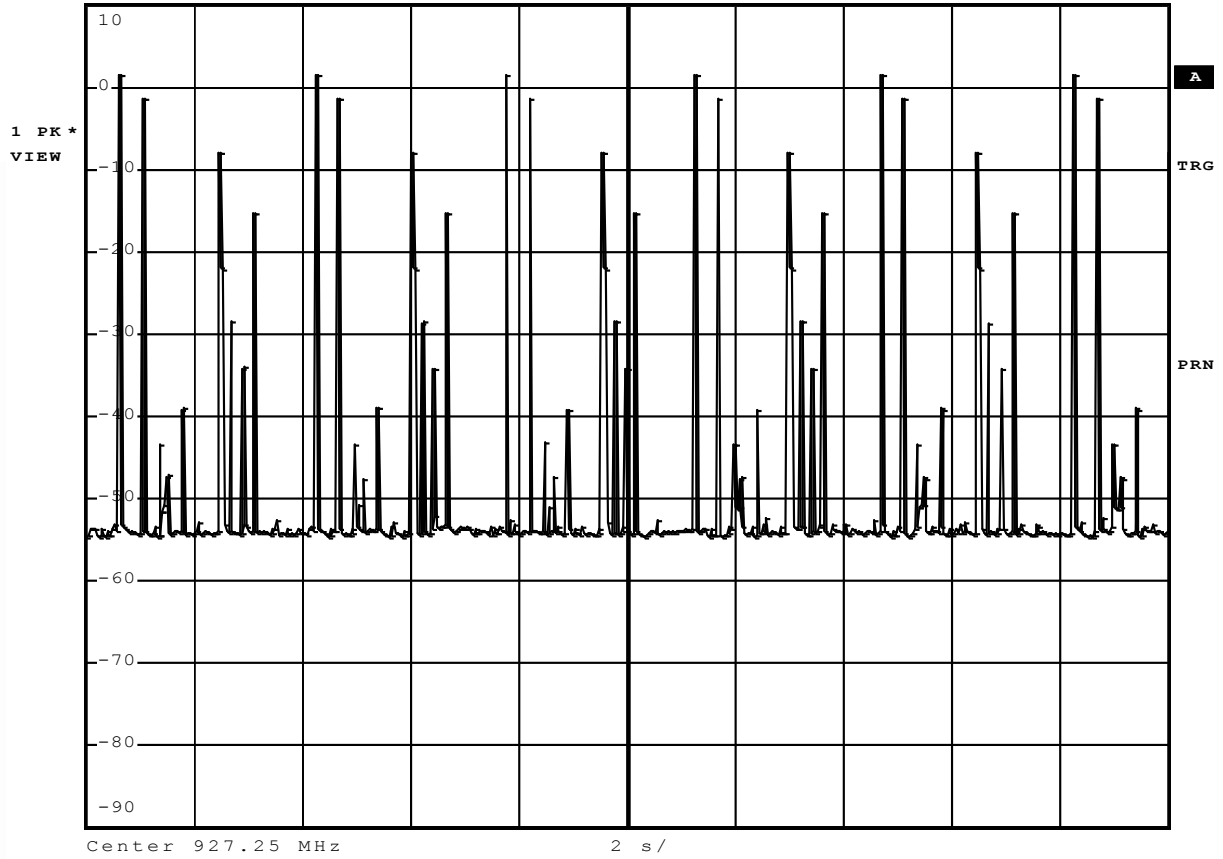
RBW 1 MHz

VBW 3 MHz

SWT 20 s

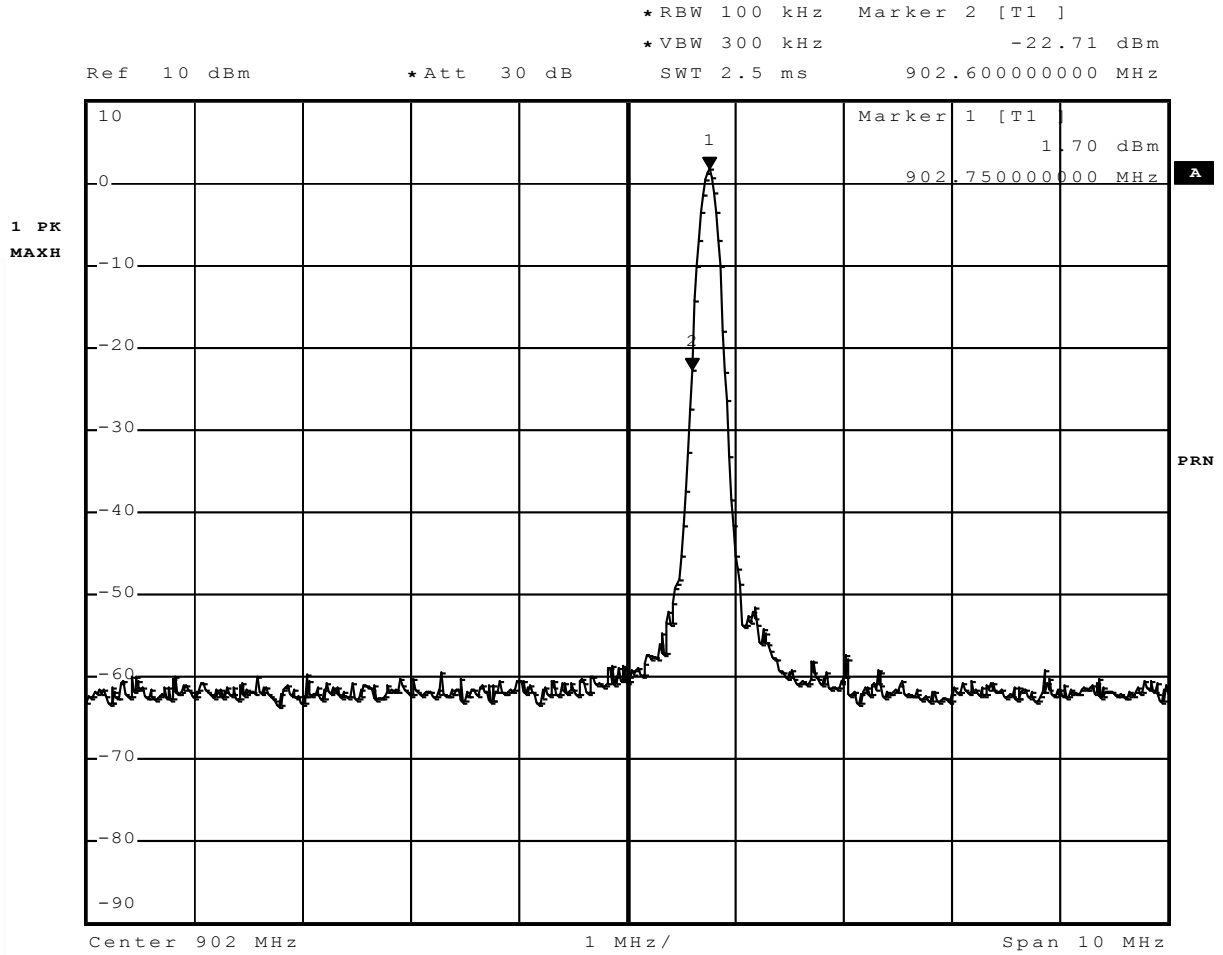
Ref 10 dBm

*Att 30 dB





G11015125



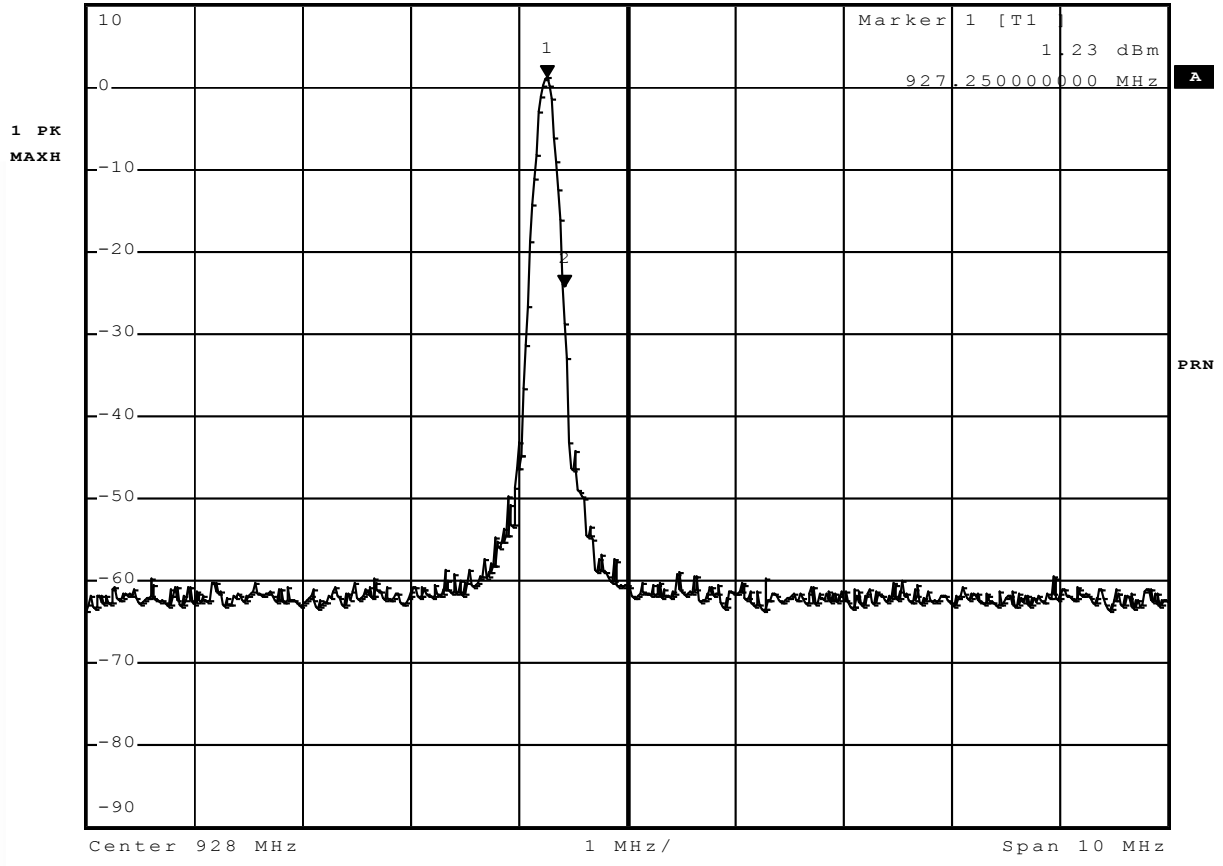
CMC Centro Misure Compatibilità S.r.l.



G11015126

*RBW 100 kHz Marker 2 [T1]
 *VBW 300 kHz -24.25 dBm

Ref 10 dBm *Att 30 dB SWT 2.5 ms 927.420000000 MHz

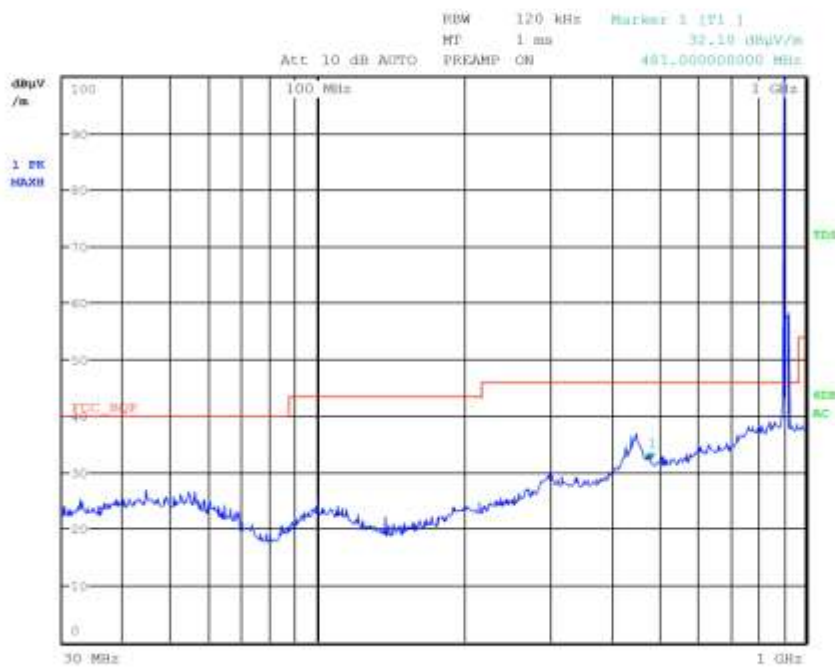


CMC Centro Misure Compatibilità S.r.l.



G11015127

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition TX 902.75MHz
Operator Bertezolo 11015527
Test Spec
Horiz

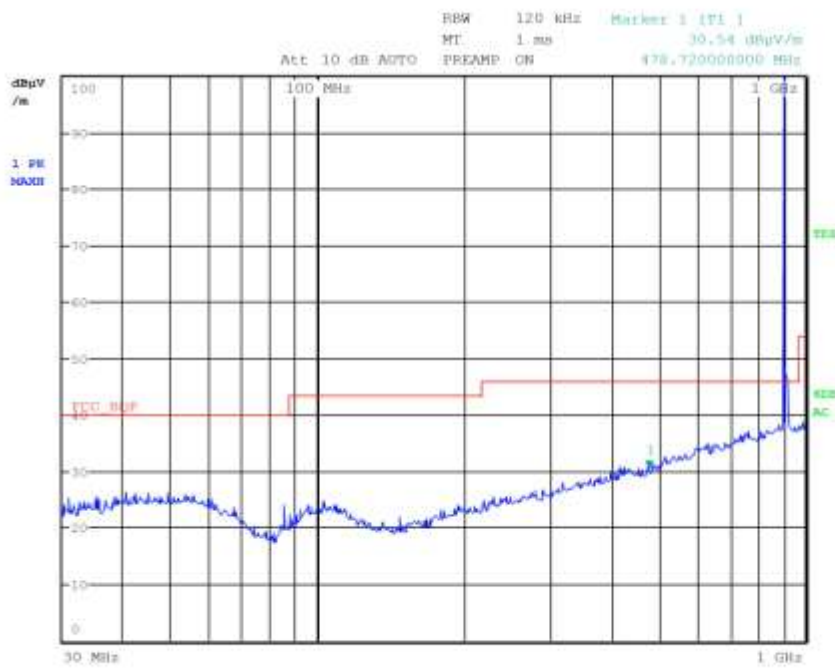


CMC Centro Misure Compatibilità S.r.l.



G11015128

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition TX 902.75MHz
Operator Bertezolo 11015528
Test Spec
Vert

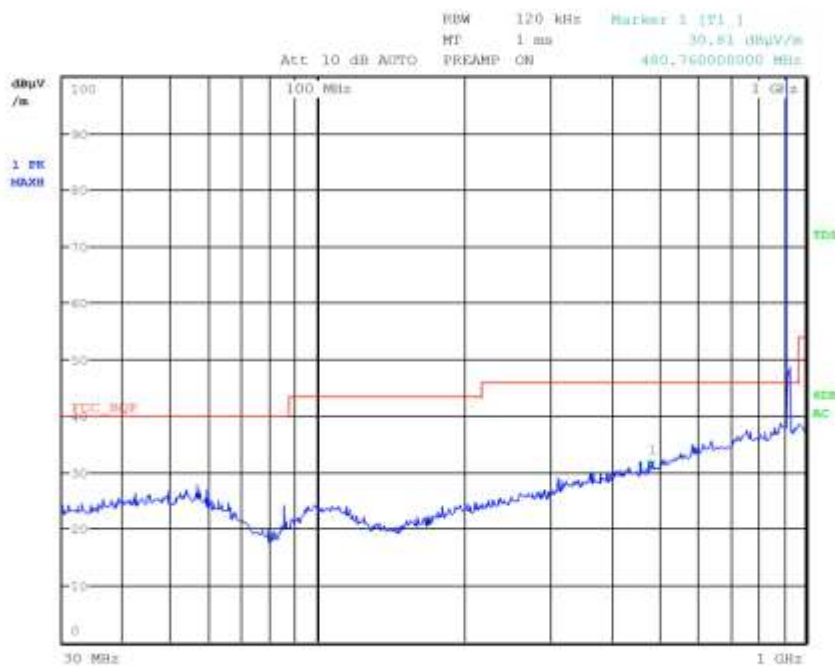


CMC Centro Misure Compatibilità S.r.l.



G11015129

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition TX 914.75MHz
Operator Bertezolo 11015529
Test Spec
Vert

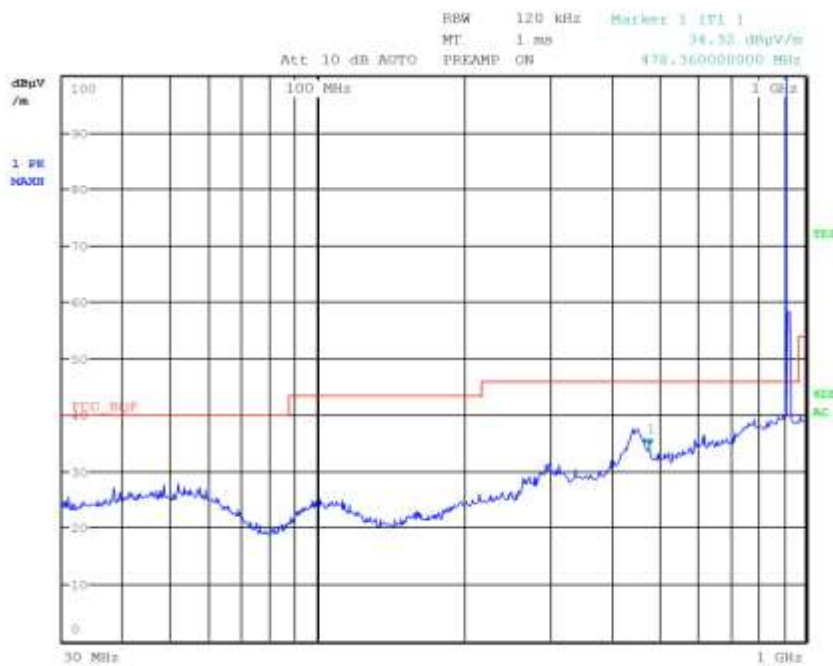


CMC Centro Misure Compatibilità S.r.l.



G11015130

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition TX 914.75MHz
Operator Bertezolo 11015530
Test Spec
Horiz

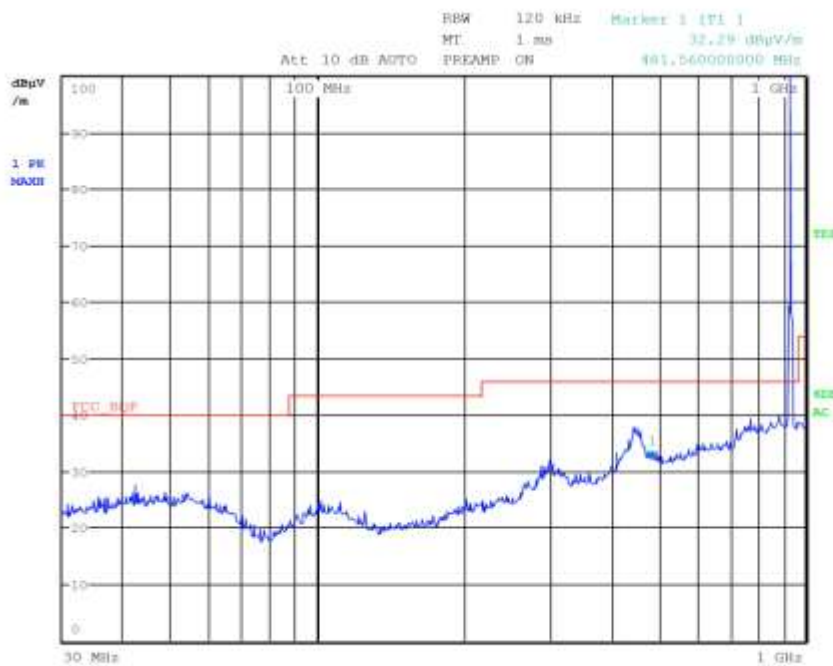


CMC Centro Misure Compatibilità S.r.l.



G11015131

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition TX 927.25MHz
Operator Bertezolo 11015531
Test Spec
Horiz

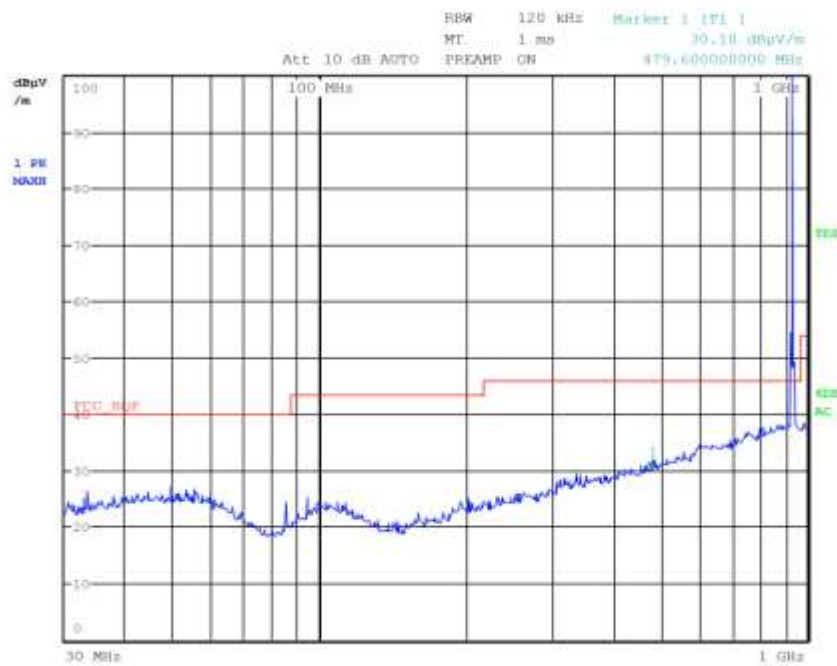


CMC Centro Misure Compatibilità S.r.l.



G11015132

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition TX 927.25MHz
Operator Bertezolo 11015532
Test Spec
 Vert



CMC Centro Misure Compatibilità S.r.l.

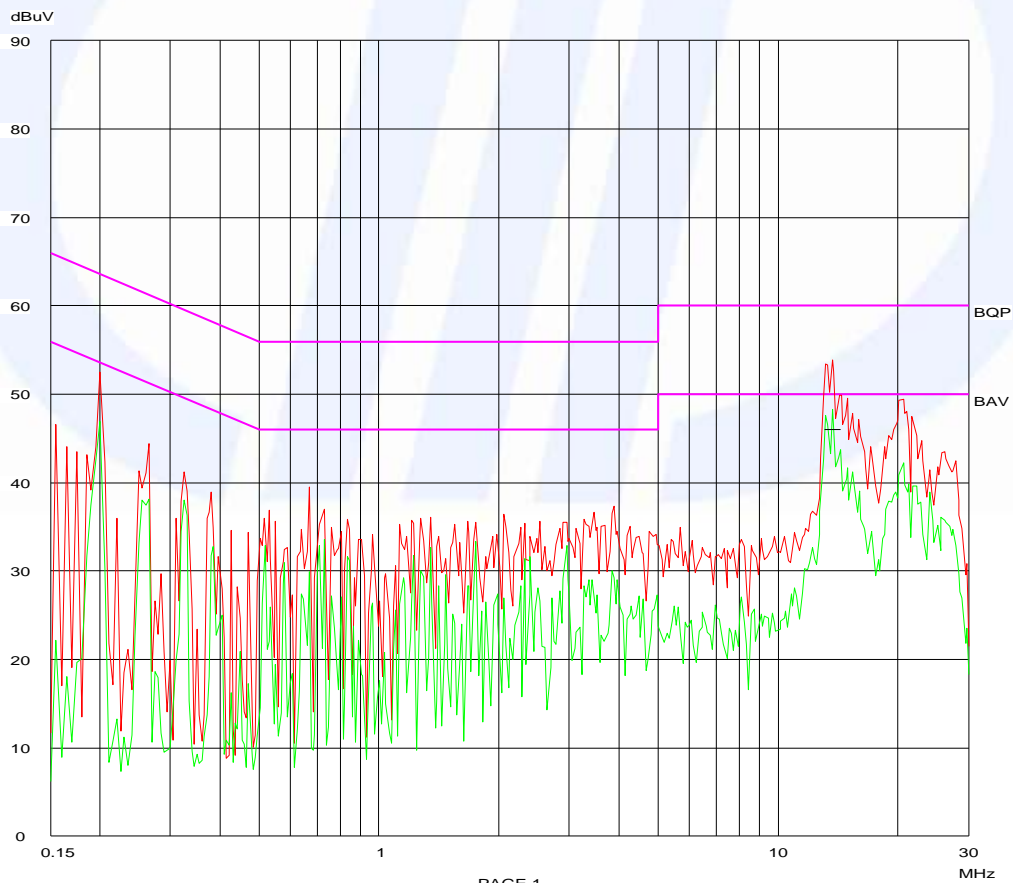


G11015133

CMC Centro misure compatibilita srl

Emission 0.15-30MHz

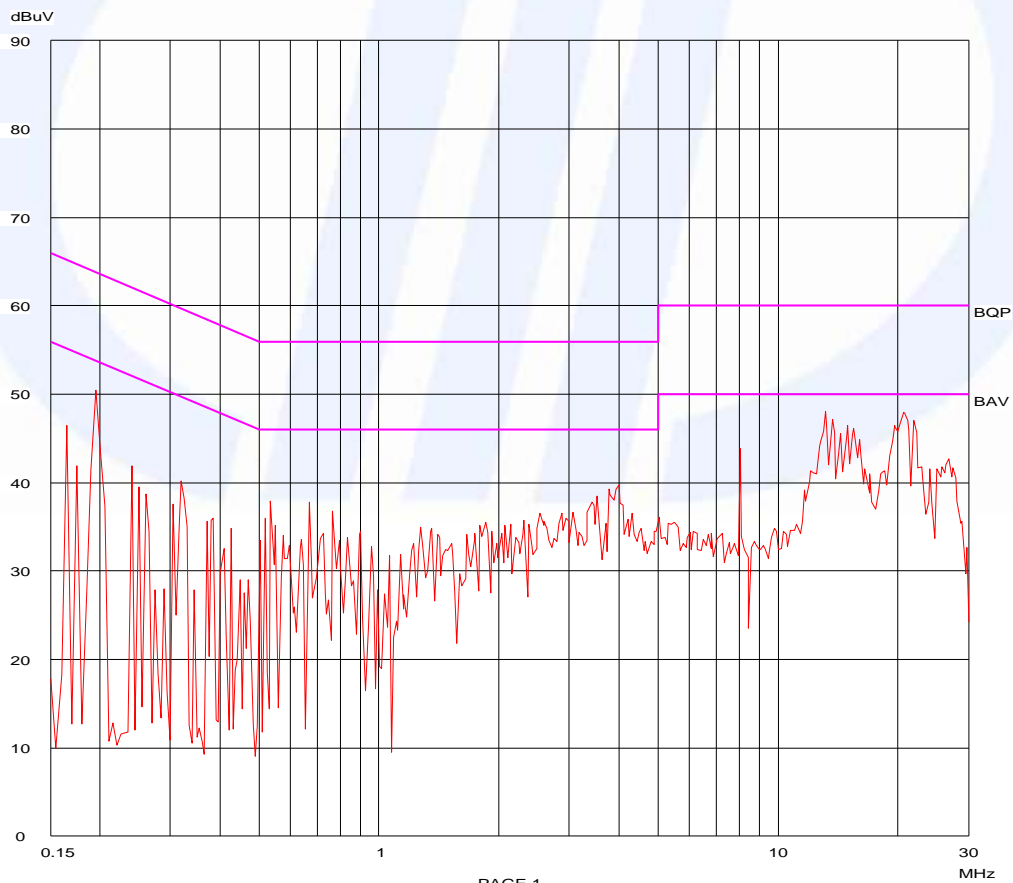
Op Cond: TX
Operator: Bert. 11015133
Test Spec: Line L





G11015134

CMC Centro misure compatibilita srl
Emission 0.15-30MHz
Op Cond: TX
Operator: Bert. 11015134
Test Spec: Line N



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